

SEQUENCE LISTING

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01200 COMPOSITIONS AND METHODS FOR THE
 THERAPY AND DIAGNOSIS OF BREAST CANCER

01300 210121.419C11

01400 03

01410 1001-03-16

01600 334

01700 FastSEQ for Windows Version 3.0

02100 1

02110 363

02120 SMA

02130 Homo sapien.

04000 1

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02100 1

02110 1.1

02120 FFT

02130 Homo sapien.

04000 1

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Gly Ala Ala Gln Lys Pro Ile Asn Leu Ser Lys Ala Ile Glu Val Val	

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65	70	75
His Ala Leu Asn Leu Ala Phe Val Ala Gln Ala Ala Pro Asp Ser Lys		
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Q112: DNA

Q113: Homo sapien

Q120:

Q121: misc_feature

Q122: (1)...(1010)

Q123: n = A,T,C or G

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Q111: 960

Q112: DNA

Q113: Homo sapien

Q120:

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taagtgcact	taaatatcag	aatgtaaaaa	ctgggaacca	ggtccccagc	ctgggattaa	240
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388

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 <211> 347
 <212> DNA
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 ggttgtaggg tcaaatgtaa tagcttggtt tcaagagaga gttttggcag tttctgttagc 240
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 tatgtgaggg ggagntttt tatagaaaat ntttntcac anagtccag ggaactttnt 480
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 aagtcttttg ttggtgtctc ctactctttt tttttttttt tttnttttgg agatggagtc 240
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<400> 16
ttccgthatg ccacatgcaga atattctatc ggtaacttcag ctattaactca ttttgatggc 60
gcaatccqag cctatcccca agatgagtat ttgaaaagaa ttgatttagc gatagaccaa 120
gctggtaagc actctgaacta cactgaaattg ttacatgtg atggatttat gacagttgat 180
ccttggaaga gattattaag tgattatttt aaagggaatc cattaattcc agaatatctt 240
ggtttagctc aagatgatat agaaatagaa cagaaagaga ctacaaatga agatgtatca 300
ccaactgata tttaagagcc tatagtagaa aatgaattag ctgcatttat tagccttaca 360
catagcgatt ttccctgatga atcttatatt cagccatoga catagcatta cctgatgggc 420
aacctttaga ataatatagaa ctggggtggcg ggcatttgat gaattccatc ncagtaaatt 480
tggatatrac aaaaatataac tggattgcat ttggatgatg gaataactaaa cctggcaaaa 540
gtaactttta agctactagt aacctctctt tttagagatg aaaattttct tttagggtct 600
cttattctct actttaacga tattggagca taacggga 638

```

```

<21> 17
<211> 286
<212> DNA
<213> Homo sapien

```

```

<400> 17
actgatggat gtgcgggag gagaggggccc ttatctgatg ctgggtgccc tgttcgtgat 60
gtgcgggccc attgggctgt ttatctcaaa caccggcacg ggggtgctga tggcgctat 120
tgcccttagc ggcggagaagt caatgggggt ctacccctat ccttttgcca tgggtggtygc 180
gatggcgctc tggcggggt ttatgacccc ggtctcctcg cgggttaaca cctgggtgct 240
tggccctggc aactactcat tttagcattt tgtcaaaaata ggcgtg 286

```

```

<21> 18
<211> 262
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

```

```

<400> 18
toggctatag cagccctctt ttctcaattt catctgtcac taccctgggtg tagtatctca 60
tagccttaca ttctctatag ctctccctg gtctgtcttt tgatttctct gctgtaatc 120
catatcacac ataactgcaa gtaaacattt ctaaagtgtg gttatgctca tgtcactct 180

```


gtgncaaagaa atagttttcca ttacoggtott aataaaaatto ggattttgttc ttttctattn 240
tcactottcca cctatgacgg aa 262

<217> 19
<211> 261
<212> DNA
<213> Homo sapien

<400> 19
tcggtcatac caaagccagt ggtttgagct ctctactgtg taaactccta aaccaaggcc 60
atztatgata aatggtygga ggatttttat tataaacatg taccatgca aatttcctat 120
aactctgaga tatattcttc taccatttaa caataaaaaat aattctatttc taaaagccta 180
atcttgctac ttaggtaaga gtgtttaatg agagggtata aggtataaat caccagtcac 240
cgttttcttg cctatgacgg a 261

<210> 10
<211> 294
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 29
tacaacaggg cgaactcgtt aaaatoggac atgaagccac cgttggcttc ttogtcogag 60
cgataggggc cggccagcca ggggaacggg tgcccggtat ggaagcag cgggagttct 120
tcggactgaa tatgaacttt gttgtgaaaa tactcgccgc ctctggttga cgaactcgcg 180
tcgaaactct cgaactcttc acgatogaag ccttcgtggg cgaactcgc ggtcagttcc 240
gcccacagga aatcatgggt gaggcggatg ctgncccga agnccctgtt tgtn 294

<210> 11
<211> 298
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 21
ttggtaaaag gcatggagcc agacgcctga cgtttggctg aaaatcttcc attgatctgt 60
atcaatgaat aggaaaaatc ccaaaagaggg aatgtcctgt tgcctggcag ttttntgtt 120
gttctcagga anaaggcaan gagctcttca gactattggn attntcgttc ggtctctctg 180
caactagctc ncttgcnang atcttcat 298

<210> 17
<211> 297
<212> DNA
<213> Homo sapien

<220>

<2001> misc_feature
 <2002> (1)...(297)
 <2003> n = A,T,C or G

<400> 22
 noenttgaag ttggtgattg agatntgtaa tgggttgtaa ggtgattcag ggggattagg 60
 gtggcggrc aacgggaggt ggggtotccg acaggccagc aggatattgg gcaggtaagg 120
 ngtggcgatc gctcgactat atgctatggc agggcgagcc tgggaaggngg atcaggtcac 180
 ggagctggag cttcccaagg tccatgnatt gngatggctg ttctaggcgg ctgttgccaa 240
 ggtgatggt aagctggctg ggcattgat ttctggcgcc aaggtgg 287

<210> 23
 <211> 264
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 23
 ttgggttaaaa ggagcaagga gaaggcatgg agaggctcan gctgggtcctg gctaacgact 60
 gggccaagct gtccgggggg atggtggaga actgaagcgg gacctcctcg aggtcctcgg 120
 ncgttaacttc nccgtccagg agggaggtct tccgtgggtc tnggaggagc ggggggagaa 180
 gatnctctc atgtcnaga tccc 264

<210> 24
 <211> 264
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 24
 tggatttqtc aacagcgggt agagtgggac cattgagggg atattcaaaa atattatttt 60
 gtccaaatg atagttggcg agttttttt tgaccatga gttatattgg agtttatttt 120
 ttaactttcc aatggcatgg acatgttaga cttattttct gttaatgatt nctattttta 180
 ttaaattgga ttggagaaat tggttnttat tatatcaatt ttgggtattt gttgagtttg 240
 acattatagc ttagtatgag acca 264

<210> 25
 <211> 276
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

>4000 25

```

ttacaaaggag ggaaaaactcc gtctctacaa aaattaaaaaa attagccagg tctgtgtggtg      60
tgcacccgtta atccacagcta cttggggaggt tgagacacaa gantcaccta natgtgggag     120
gtcaaggtttt ctagagtcctt gattgtgcca ctgcaactcca ggcctgggtga cagaccgaga     180
ccctgcttca atcaganaang aataggaagt ccagaaactn tggntgtggn gccacgcaat     240
ctgcactctat ncaacccctg caggcaango tcatgcagcc tangttcaag agctgctgtt     300
cttggaggga gaggcttggg cttccatcca gtatcacggc cacactgga cnagccatct     360
gtctccctnn cgttacc

```

>4010 26

>4011 372

>4012 DNA

>4013 Homo sapien

>4010

>4011 misc_feature

>4012 (1)...(372)

>4013 n = A,T,C or G

>4000 26

```

ttacaaacag ggaaaaactcc gtctctacaa aaattaaaaaa attagccagg tctgtgtggtg      60
tgcacccctta atccacagcta cttggggggg tgagacacaa gaaccaccta aatgtgggag     120
ggtaaggtttt gcatgagtcct tcatcgogcc actgcaactcc agcctgggtg acagactgag     180
acccctgcttc aaaaagaaaaa gaataggaag ttcagaaacc ctgggtgtgtg ngcccagcaa     240
cttgcatttta aatcaatccct gcaggcaatg ctgatgcagc ctaagttcaa gagctgctgt     300
cttggagcca gnatgaagggt cttccatcca gcatcacggn caacactgca aaagcaccctg     360
ctctgtgtgtt ta

```

>4010 27

>4011 477

>4012 DNA

>4013 Homo sapien

>4000 27

```

ctctgttcac atctacaagt tttattttatt cctgtgggttc tcagggtgac taagtctctc      60
cctacattga aaagagaagt tgcataaaagg tgcacaggaa atcatttttt taagtgaata     120
tgataaatatg ggtccgtgctt taatcaact gagacatatt tgttctctgt ttttttagag     180
tcacctcttca aagtccaatc ccacaatggt gaaaaaaaaa tagaaagtat ctgtctctac     240
ttcaaggaga ctgcagggat tctccttgaa aacggagtat ggaatcaatc ttaataaat     300
atgaaattct ctgtctctct gggataagaa attcccaact cagtgtgctg aaattcaact     360
gaattttttt gggaaaaaat agtcgaaaaat gtcaatttgg tcataaaaat acatgttaac     420
attaaaaagt atttaagac aaattctttt agagctctaa gatttggtgtg gacagaa      477

```

>4010 28

>4011 478

>4012 DNA

>4013 Homo sapien

>4010

>4011 misc_feature

>4012 (1)...(438)

>4013 n = A,T,C or G

>4000 28

```

tctncaacct cttgantgtc aaaaaacctn taggctatct ctaaaagctg actggtattc      60
attccagcaa aatccctcta gtttttggag tttcctttta ctatctggg ctgcttgagc      120
cacaaatgcc aaattaagag catggctatt ttggggggct gacaggtcaa aaggggtgta      180
aatccgataa gctccttggg ggtgctctaa aaacactcct ggtgactcat catgcccctg      240
gacgacttca atcgncttag acaagtttat aggtttctgg gcagctccct gaataccac      300
gaggagatag cgttggaaaat cgtcaaaagt tctccctcca ctgagaaaat ttgggtccca      360
attaggctcc aattgggtct ctaatcacta ttcctctaga ttcctcctcc ggnctattgg      420
ctgatgtgag gttgaaga
438

```

```

#210: 29
#211: 620
#212: DNA
#213: Homo sapien

```

```

#220:
#221: misc_feature
#222: (1)...(620)
#223: n = A,T,C or G

```

```

#400: 29
aagaggggac cagccccaaag ccttgacaaac ttccataggg tgtcaagcct gtgggtgcac      60
agaagtcaaa aattgagttt tgggacccct agcctagatt tcagaggata taaagaaaca      120
cctaaccact agtatttcag acaaaaagttt actacaggga tgaagctttc acggaaaaac      180
tctactagga aagtacagaa gagaaatgtg ggtttggagc ccccaaacag aatccctct      240
agaacactgc ctaatgaaaac tgtgagaaga tggccactgt catccagaca ccagaatgat      300
agacccacca aaaacttatg ccatattgoc tataaaacct acagacactc aatgccagcc      360
ccatgaaaaa aaaactgaga agaagactgt nccctacaat gccacccgag cagaactgcc      420
ccaggccatg gaaycacagc tottatatca atgtgacctg gatgttgaga catggaatcc      480
nangaaaton tttaanaact tccacggctn aatgactgoc ctattanatt cngaacttan      540
atccnggocct gtgacctott tgcctttggc attcccccct ttgggaatgg cctttttttt      600
cccatgcttg tncctcttta
620

```

```

#210: 31
#211: 100
#212: DNA
#213: Homo sapien

```

```

#400: 30
ttacaaacaa gggtcgaatg tcataaatgt cacataaaaa caatctcttc tttttttttt      60
tttttttttt tttttttttt tttttttttt tttttttttt
100

```

```

#210: 31
#211: 762
#212: DNA
#213: Homo sapien

```

```

#220:
#221: misc_feature
#222: (1)...(762)
#223: n = A,T,C or G

```

```

#400: 31
tagctctatgc gccggacaga gcagaattaa attggaagct gccctccgga ctttctaccc      60
acactctttcc tgaaaagaga aagaaaagag gcaggaaaqa ggttaggatt tcattttcaa      120

```

gagtcagcta	attaggagag	cagagtttag	acagcagtag	gcaccccatg	atacaaaacca	180
tggaacaaagt	ccctgttttag	taactggcag	acatgatccr	gtcaggtttt	tgaaatctct	240
ctggccataa	aagatggaga	gcaggagtgc	cattccacac	aacacgtgtc	caagaaaagag	300
cttcagggag	aaaaggggtat	caaaaaacaa	gattcttaaat	gggaaggaaa	tcaaaccaaaa	360
aaattagatt	ttctctctaca	tatatataat	atacagatat	ttaacacatt	attccagagg	420
tggtctcagt	ccctgggggct	tgagagatgg	tgaaaaacttt	tgctccacat	taactctctg	480
cttcaaatcc	tgaagtatat	cagaatggga	caggcaatgt	tttgcctcac	actggggcac	540
agaccccaat	ggtctctgtgc	cgaagaaga	gaagcccgaa	agacatgaag	gatgcttaag	600
gggggttggg	aaagcccaat	tggtantata	ttttctctct	gcctgtgttc	cngaagtctc	660
cnctgaagga	attcttaaaa	cccttctgtg	ggaaatgcac	ccctaccatg	acaantggct	720
ccattgcttt	tagggngatg	gaaaacacaa	gggttttgat	cc		780

4010: 32

4011: 276

4012: DNA

4013: Homo sapien

4400: 32

tagtctatgc	gtgtattaac	ctccctctcc	tcagtaacaa	ccaaagaggg	aggagctgtt	60
attacacac	ccatttttaca	gatgcatcaa	taatgacaga	gaagcgaagt	gaattgggca	120
cacaacacgt	aaattggcag	agtcagattt	gaatccatgg	agttctggct	gcactttcaa	180
tcacogaata	ccctttctaa	gaaaagtggt	ctgaatgagt	gcattggataa	atcagtgtct	240
actcaacatc	tttgccatga	tatcccgcat	agacta			276

4010: 33

4011: 477

4012: DNA

4013: Homo sapien

4400: 33

tagtagttgt	caatatattg	aaaaattcac	cagaagtgat	tgaaaaacttt	ttggaaacaa	60
aaacaaa'aa	agcacaagg	taaaaataaaa	atatctttgc	actctcgtta	ttacctatcc	120
ataacttttt	cacccgttaag	ctctctgctt	gttagtgtag	tggtggtata	ttaaaactttt	180
tagttattat	tttttatcca	cttttccact	agaaagtcac	tattgattta	gcacacatgt	240
tgatctcact	tcattttttc	tttttatagg	caaaatttga	tgctatgcac	caaaaaatact	300
caagcccaat	attttttttc	cccccgaaat	ctgaaaattg	cagggggacag	aggggaagtta	360
tcccattaaa	aaattgtaaa	tatgttcagt	ttatgtttta	aaatgcacaa	aacataagaa	420
aattgtgttt	acttgagctg	ctgattgtaa	gcagttttat	ctcaggggca	actacta	477

4010: 34

4011: 641

4012: DNA

4013: Homo sapien

4400: 34

tagtagttgc	caattccagat	gatcagaaat	gctgctttcc	tcagcattgt	cttggttaaac	60
cgcattgcac	ttggaaacttt	ggcagtgaga	agccaaaagg	aagaggtgaa	tgacatatat	120
atatatatat	attccaatgaa	agtaaaatgt	atatgctcat	atactttcta	gttatcagaa	180
tgagttaagg	tttatgcacat	tggtctgtgt	catactttta	tcagaagata	aaagaaaatc	240
tggtgcatttt	cagaatgtga	tacatgtttt	tttaaaaactg	ttaaatatta	tttcgatatt	300
tgcttaagaa	cgggaatgtt	cttaaaaactt	actaaaacag	tattgtttga	ggaagagaaa	360
actgtactgt	tgccatttat	tacagtctga	caagtgcatt	tcaggtcac	cactctctca	420
ggcatcagta	tcacactcat	agcttttaac	attctgacgg	ggaatattgc	agcatctcca	480
ggcctgacat	ctgggaaagg	ctcagatcca	cttaactgtc	cttgctcgtt	gatttgtttt	540

```

aaaatattgt gcttgggtgtc aatttttaagc cacagcccttg cctaaaaagcc agcagagaaac 600
agaacccgca ccatctctata ggcaactact a 681

```

```

<10> 35
<11> 313
<12> DNA
<13> Homo sapien

```

```

<400> 35
tagtagttgt catcccatat tacagaagggc tctgtatata tgacttattt ggaagtgatc 60
tgtttttctt ccaaacccat ttatcgtaat ttaccagtc ttggatcaat cttgggtttcc 120
actgatccca tgaacccctac ttggagcaga cattgcacag tttctctgtg taaaaactaa 180
aggtttattt gctaaagctgt catcttatgc ttagtatttt ttttttacag tggggaattg 240
ctgagattac attctgttat ccattagata ctttgggata aactgacact gtctcttttt 300
tttgcctttt aattgctatc atcatgcttt tgaacaaga acacattagt cctcaagtat 360
tacataagct tgnctgttac gcttgggtggc ttaaggact atctttggcc tcaggttccac 420
aagaatgggc aaagtgtttc cttatgttct gtagtctcca ataaaagatt gccaggggac 480
gggtactctg cctgcacctg caatccagc aatttgggaa gctgaggctg ggggatccatg 540
ctagggcagg tcttcgaaac cagcctgggc aactacta 573

```

```

<10> 36
<11> 563
<12> DNA
<13> Homo sapien

```

```

<400> 36
tagtagttgc ctgttaatccc agcaactcag gaggctgggg caggagaatc agttgaacct 60
gggaggcaga agttgtaatt agcaagatc gcaccattgc aattccagcct gggcaacaa 120
agtgcatttc catctcaaaa acaaaaaaaaa gaaaaagaaa agaaaaggaa aaaaactata 180
aacccagcca aaacaaaaatg atcattcttt taataagcaa gactaattta atgtgtttat 240
tcaatcgaag cagtgaatc ttctgagtta ttggtgaaaa taccatgta gtaattttag 300
ggttcctaac tgggtgaaac tttgatgttc acaggttata aaatgggtta caaggaaaat 360
gatgcataaa gactcttata aactactaaa aataaataaa atataaatgg ataggtgcta 420
tggatgaatc ttttgtgtaa tttaaaatct tgaagtcatc ttggatgctc attggttgtc 480
tggtaatttc catctaggaa aggttatgat atggggaaa cgtttctgga aattgcggaa 540
tgtttctcat ctctaaaaatg ctagtatctc agggcaacta cta 573

```

```

<10> 37
<11> 716
<12> DNA
<13> Homo sapien

```

```

<120>
<121> misc_feature
<122> (1)..(716)
<123> n = A,T,C or G

```

```

<400> 37
gatctactag ccatntggat tctatccatg gcagctaagc cttctcgaat ggattctact 60
gctctcttgt tcttttaatcc agacccttat atatgtttat gttccacagc agggcaatgt 120
tcagtgaaaa caattctaaa ttttttattt tgcattttca tgttaatttc cgtccacactc 180
cagcaggctt cctggggagaa taaggagaaa cacagctaaa gacattgtcc ctgcttaactt 240
acagcctaatt ggtatgcaaa accacttcaa caaagtaaca ggaaaagta taaccaggta 300
gaatggacca aaactgatat agaaaaaatca gaggaagaga ggaacaaata tttactgagt 360

```

```

cctagaatgt acaagggttt ttaattacat attttatgta aggcctgcac aaaacaggtg 400
agtaatcaac atttgcacca ttttacatat aaggaaactg aagcttaaat tgaataattt 480
aatgcacaga ttttatagtt agaccatggt caggtcccta tgttataact actagctgta 540
tgaatatggg aaaataattt tgttatttct ttggcatcag tattttcctc tgcataataa 600
agctaaagtt atttagcaaa cagtcagcat agtgcctgat acatagtagg tgcctcaaac 660
atgattacac tantatnngg tattanaaaa atccaatata ggontggata aaaccc 716

```

```

#210> 38
#211> 688
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1)...(688)
#223> n = A,T,C or G

```

```

#400> 38
ttctgtccac atatcaccac aactttaattg ttaatcagca aaactttcaa tgaataatca 60
tcatttttaa ccaggatcac accaggaaaac tgaaggtgta ttttttttta ccttaaaaaa 120
aaaaaaaaaa accaaaacaa ccaaaaacaga ttaacagcaa agagttctaa aaaatttaca 180
ttctctttaa aactgtcatt cagagaacaa tagttcttaa gtctgtttaa tcttggcatt 240
aacagagaaa cttagatgaan agttgtactt ggaatatgtt ggattttttt ttttgtctaa 300
ctctccctca ttcttttgcg aacagttaatt taagttctgt tgggaacatcc ccttagttga 360
agtgtaaaac atgttatagga aggaatatat gataagatga tgcacacat atgcattaca 420
tgtagggaac ctacaaactt catgcactca gaaaacatgc ttgaagagga ggagaggagc 480
gcccagggtc acatccaggt tgccttgagg acagagaatg cagaagtggc actgttgaaa 540
tttagaagac catgtgtgaa tggtttcagg cctgggatgt ttgcaccaa gaagtgcctc 600
cgagaaaatt ctctcccat tgggaatacag ggtggcttga tgggtacggt ggggtgaccaa 660
acgaagaaaa tgaattctgt ccttttcc

```

```

#411> 38
#412> 585
#413> DNA
#414> Homo sapien

```

```

#420>
#421> misc_feature
#422> (1)...(585)
#423> n = A,T,C or G

```

```

#400> 38
tagtagtgc cgnnaccta aaantgggaa agcatgatgt ctaggaaaac tantaaaaa 60
gggtatgtct atctgtctac gagagatgtt agcatttaaa gtgcatanct tctatgtattt 120
tgacaaaagg atatnccctt ataatacaca actgattacg aagctattac aattaaaaag 180
tttggccctg cgtgggtggc ggtggctgac gctgttaact ccagcacttt gggaggccga 240
ggcacgggga tcaaggaggt gggagttcaa gaccatcctg gctaacacgg tgaagtcca 300
ctctctctaa aaatacagaa aaattacccc ggctgtgttg cggggcgttg tagtccagc 360
tactccgag gctgagggcag gagaatggcg tgaacccagg acacggagct tgcagtgtgc 420
caacatacag tcactgcctt ccagcctggg ggacaggaac aagantcccg tctctaaaaa 480
agaaaaaac tantnatant ttcnacttta ttttaantta cacagaactn cctcttggtgta 540
cccccttacc atctcatctca cccacctcct atagggcaen notaa 585

```

```

#210> 40

```

<211> 475
 <212> DNA
 <213> Homo sapien

<400> 41
 totgttcaca ccaatcttag aagctctgaa aagaatttgt ctttaaatat cttttaatag 60
 taacatctat tttatggacc aaattgacat ttctgactgt tttttccaaa aaagtccaggt 120
 gaatttcaga acactgagtt gggaaattct tatcccagaa gaccaaccaa ttccatattt 180
 atttaagatt gatcccatc cccgttttca aggagaatcc ctgcagtctc cttaaaggta 240
 gaacaaatcc ttcctatttt tttttccaca ttgtgggatt ggaactttaag aggtgactct 300
 aaaaaaacag agaacaaata tgtctcagtt gtattaagca cggaccacata ttcacatatt 360
 caottaaaaa aatgatttcc tgtgcaactt ttggcaactt cttttttcaa tgtagggaaa 420
 aacttaqtc ccttgaaaaa ccacaaaata aataaaactt gtagatgtgg acaga 475

<210> 41
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 41
 taagagggta catcgggtaa gaaagtaggc acatctagag ctttagagaag totggggtag 60
 gaaaaaaatc taagtattta taagggtata ggtaacattt aaaagttagg ctagctgaca 120
 ttatttagaa agaacacata cggagagata agggcaaaagg actaagacca gaggaacact 180
 aatatttagt gatcacttcc attcttggtt aaaatagtaa cttttaagtt agcttcaagg 240
 aagatttttg ggcattgatta gttgtcaaaa gttagttctc ttgggtttat attactaatt 300
 ttgttttaag atccttggtt gtgtttcaat aaagtcattt tatatcaaac gctctaaaaa 360
 attgtatpat gttaaatgtc acaatatact taccatttgt tgtatatggc tgtacccctc 420
 cta 473

<210> 42
 <211> 527
 <212> DNA
 <213> Homo sapien

<210>
 <211> misc_feature
 <222> (1)..(527)
 <223> n = A,T,C or G

<400> 41
 tctcctaggc tctcgtggtt gttctctgaa aagtaaaaag ttaaaaaatt taaaaataga 60
 aaaaagctca tgaataaaga atatgaagaa agaaaatatt ttgtacatt tgcacaaaga 120
 gttttatgtt taagctaagt gttattacaa aagagccaaa aaggttttaa aaattaaaaa 180
 gtttgtaaac ttccagtacc cttatgttaa ttataaattg aagaagaaa aacttttttt 240
 tataaatgta gtctagccta agcatacagt atttataaag totggcagtg tccaataatg 300
 tcttaggcct tccattccac tcaactgact acccagagca acttccagtc ctgtaagctc 360
 cactcgttgt aattgcacct tacaggtgca ccattttatt taccagtatt ttaactgtac 420
 ttctctatgt ttcacatagt ttogatatac aaataccact gggtactatn gcccnacagg 480
 taattccagt aaacaggcct gtatacgtct ggtancccta gngaaga 527

<210> 43
 <211> 331
 <212> DNA
 <213> Homo sapien

<400> 43

tottcaactt	ctgaggacaa	ctctcatatg	cctggggcaat	atTTTTtaggt	tactacattg	60
gctgcccctt	tttaagaaaa	aaaaaagaag	aaaaaagaac	ttttccacaa	gtttctcttc	120
ctctagtttg	aaatttagag	aaatcatggt	tttaattttg	tggtatttca	gacacacaa	180
tcaaacactt	gttaacatta	agcttctggt	caatccccgt	ggaagaggat	tcattctgat	240
atttacgggt	cawaagaagt	tgtaatatgt	tgtttggaac	acagagaacc	agttattaac	300
ttctactac	tattatataa	taaataataa	c			361

<210> 44

<211> 592

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 44

ggottaatag	ttcccaggca	aaatarcgtt	gattctctctc	aggagccacc	ccccacaccc	60
ctgttttctt	ctagacctat	acctagacta	aagtcaccgc	agacccctag	aggtgaggtt	120
cagagtgaac	cttgaggaga	tgtgtacac	tagaaaagaa	ctgtttgagt	ttctcaattt	180
atataagpac	aaactctggag	aagagtccata	ggaatggata	ttaaggggtg	gagataatgg	240
cggaaggaat	atagagtctg	atcaggctgg	acttattgat	ttgaacccac	taagttagaga	300
ttctgcttct	gatgttgcag	ctcaggaggt	taaaaaaggt	tttaattggt	ctaatagtct	360
atctgcttgg	ctagctgaaa	catggataaa	agatggccca	ctgtgagcaa	gctggaaatg	420
cctgactctc	ctcagtttaa	tgtagaggaa	gggatccaaa	agtttagggg	gantctggatg	480
ctggrraktg	attggtcaat	ttgrgaacta	ccctctccag	ctgggagggt	ccagaagata	540
cacccctgac	caacgctttg	cgaaatggat	ttgtgatggc	ggcaactact	aa	592

<210> 45

<211> 567

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 45

ggottaatag	ttcccattgc	gagtgccttg	tcaacgagcg	ttgaacatgg	cggaattgtct	60
agattcaaac	gatttgagtt	ttaccagcaa	agcgaaccaa	goggggcccc	gagaatttatg	120
ggttggttgg	ctttgaaaag	atggaaatcc	tgtaggccca	gtcagaaaaag	ccttcttgca	180
gaacagtttg	ttctcggggg	aacgtctcat	aagatgcccc	ttggaaaagg	taggtgttat	240
ttgggagagg	cttatagcgt	gtcttctgat	gatgtttgtg	cttggacagt	gacaaaagat	300
atgcaaaagc	agtcaggact	agacgtcaag	cttctgtgag	aaattattgt	agactcctac	360
ttatactctg	agaaatgata	gccaaggggt	gggaacttaa	gaactaaggt	gtttgtactt	420
gogccgatga	ttccaggcag	aaagamctga	tgcctagttt	tatacgggca	actactaagg	480
cgaattccac	caactggcgg	gcccgttaata	attggatccg	anctcgggtac	cagcttgatg	540
catascctga	gctwtctata	ntgtcttc				567

<210> 46

<211> 908
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(908)
 <223> n = A,T,C or G

<400> 46

gagcgaaaga	ccgagggcag	ngnntangng	cgangaagcg	gagagggcca	aaaagcaacc	60
gcttttcacg	gggggtgcgg	attcattaag	gcaggtggag	gacaggtttc	ccgatgggaag	120
ggggcagggg	ccaaagcaat	taatgtgagt	aggccattca	ttagcaccgg	ggcttaacat	180
ttaaagctcg	ggttggtatg	tggtaggaat	tgtgagcgga	taacaatttc	acacaggaaa	240
cagctatcac	catgattacg	ccaagctatt	taggtgacat	catagaataa	ctcaagttat	300
gcaccaagct	tcgtaccgag	ttcggatcca	ctagtaacgg	ccgcccagtg	gtggaattcg	360
gcttagtagt	tcggcaacct	ggagtgcctc	ctaggctaga	atacctgagy	tcctccctag	420
ctccactcac	attaaaattgt	atctttttcta	cattagatgt	ctccagcgcc	ttattttctg	480
tggacwacgg	ataaattaat	ctgtatagga	tgatagcagc	agattaatta	ctgagagtat	540
gttaatgtgt	catccctcct	atataacgta	tttgcatttt	aatggagcaa	ttctggagat	600
aatccctgaa	ggcaaaaggaa	tgaatcttga	gggtgagaaa	gccagaatca	gtgtccagct	660
gcagtttgtg	gaaaagggtga	tattatgtat	gtctcagaag	tjacaccata	tgggcaacta	720
ctaagcccca	attccagcac	actggcgggc	gttaactaat	gacccagagc	cggtaccaa	780
cttgatgcac	agatttgagta	ctctatagtg	cactaaatag	cttggtggtta	tcctgggtcat	840
agctgttctc	tgtgtgaaat	tgttatccgc	tcaccaattcc	ccccaccata	cgagccggaa	900
ataaaagt						960

<210> 47
 <211> 480
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n = A,T,C or G

<400> 47

tgcbaaacaag	gaaagtttta	aatttccccc	tgaggattct	tgggtacccat	caaatccagt	60
ggttttttaag	gttggtttct	gtcaaataac	cttaacttta	agccaaaacg	tatctggaag	120
ccacagatcca	atattacaca	gataaaaagag	gagttgatct	aaagtacaga	tagttggggg	180
cttcaatttc	tgaacccctag	gtctccccc	cttctctctg	gctgaggaac	tccttggaag	240
ccgggagctct	aaagtctctt	ggaagacagt	ttgaaaacca	ccatgttgtt	ctcagtacct	300
ttatttttaa	aaagttaggtg	aacattttga	gagagaaaag	ggcttggttg	agatgaagtc	360
ccccccccc	cttttttttt	ttttagctga	aatagatacc	ctatgttnaa	rgaarggatt	420
attattttag	atcccaaytar	scacatgctc	tttgatgggc	nyctccctac	ctcctttaag	480

<210> 47
 <211> 541
 <212> DNA
 <213> Homo sapien

<400> 45

aagaggggtac	cgagtgggaat	ttccgcttca	ctagtctggt	gtggctagtc	ggtttcgtgg	60
-------------	-------------	------------	------------	------------	------------	----

tggccaacat	tacgaacttc	caactcaacc	gttcttggac	gttcaagggg	gagtacggg	120
gaggatggtg	gggtgaattc	tggcctttct	ttgcctgtgg	atcggtagcc	gcatcatcg	180
gtatgtttat	caagacottc	tttactaacc	cgacctctcc	gatttacctg	cccgagcggt	240
ggcttaacga	ggggaggggg	atccagtcc	ggagtgactg	gtccagatc	ttcgccatcg	300
tcgtgacat	gcttatcaac	ttcgtcgtca	ataagtctgt	gacottccga	acgggtgaagc	360
actccgaaaa	cgcccggtgg	ctgctgtggg	gtgactccca	aaatcttgat	aaccaacaagg	420
taaccgactc	gggttaagga	accccggaat	ctgggttact	ctgcatatgc	gtacccctta	480
agccgaattc	cagcacactg	ggggcggtta	ctaattggat	ccgaactccg	taaccgaagcc	540
tgatggttaa	ctcgagttat	cttatagtgt	ccctaaaata	acctggcggt	a	600

c210: 49

c211: 454

c212: DNA

c213: Homo sapien

c400: 49

aagagggtac	ctcccttgaa	atttaaatgt	ctaaggaaan	tgggagatga	ttaagagttg	60
gtgtggccta	gtccacaacca	aatgtattta	ttacatccctg	ctccctctcta	gttgacagga	120
aagaaaagctg	ctgtgggggaa	aggaggggata	aataactgaag	ggatttacta	aaccaaatgtc	180
catcacacag	ttttcttttt	ttttctttttg	agacagagtc	ttgtctctgtc	acccagcgctg	240
gaatgaadwg	gtatgatctc	agttgaatgc	aaactctacc	tcctaggttc	aagcgattct	300
catgctccag	ctctctgagc	agctgggaat	ataggcgcat	gtacccatgc	caggcttaatt	360
tttatatttt	tattagagag	gggggtgttc	catgtttggc	aggcaggtct	cgaactccctg	420
ggctccagat	gatctgcccc	accgtaacct	ctta			480

c210: 50

c211: 463

c212: DNA

c213: Homo sapien

c400: 50

aagagggtac	cataaaaaag	aaaaaggaaa	aaaagaaaaa	caacttgrat	aaggctttct	60
gctgcacaca	gctttttttt	tttaataaaa	tggtgcacac	aaatgttttt	gcattcacac	120
caattgcttg	ttttgaaatc	gtactcttca	aaggtatttg	tgcagatcaa	ttcaatagtg	180
atgcctccta	ggtttttgtg	actgcccacg	ttgtctacct	ttccatgtag	gagccattga	240
gagactgttt	ggacatggct	gtgttccatg	agccgtgatg	tcgggggggc	gtgtacatca	300
tgttacccctg	ggctgggggtc	tgcattggct	gctgggcata	tggtctgggtg	cccatccatgc	360
ccatctgcat	ctgcataagg	cattggggcg	tttgatccat	atagccatga	ttgtctgggtg	420
agccactgtt	catcattggc	tgggacatgc	tgttacctc	tta		480

c210: 51

c211: 399

c212: DNA

c213: Homo sapien

c400: 51

cttcaacctc	ccaaagtgtt	gggattacag	gaactgagca	ccacgctcag	cttaagccctc	60
tttttcaata	ccctctaagg	gatctacacc	agtgatgagg	ggctaaagag	cagtgcacatc	120
tgattacaaat	aatggaaact	agattttatta	attaaccaatt	tttcccttagc	atgtttgggtc	180
cataattatt	aagagtatgg	acttaacttag	aaatgagctt	tcatttttaag	aatttcattct	240
ttgaacctct	ctattagtct	gagcagtatg	acactatacg	tatttttattt	aactaaacctc	300
cccttgagcta	ttacttttta	aaaggccata	tacatgaatg	tgtattgtca	actgtaaaagc	360
ccacacgtat	ctaatttatat	catgatgtct	ttgaggttg			420

<210> 50
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 51

cttcaacctc aatcaacctt ggttaattgat aaaatcatca cttaactttc tgatataatg	60
gcaataattc totcagaaaa aaaagtgggtg aaagattaaa ttgcatttc totcagaatc	120
ttgaaggata ttgaataat tcaaaagggg aatcagtagt atcagccgaa gaaaactcact	180
tagctagaaac gtgggaacca tggatctaaag tccctggcct tccactaaac agctgattgg	240
ttttgtgtaa acctcctaca cgtctggggt tggctggctc attctgcaaa gtaaaggctg	300
aaataggaac ataatgaac ggtgtttttt ggtctctttt ccactcatta ctctgatttt	360
acaaagagac ctgtattccc ctggcgaggt tg	392

<210> 53
 <211> 179
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(179)

<223> n = A,T,C or G

<400> 53

ttcgggttat gctctctcag gctacagtga agactggatt acagaaaagt gccagcgaga	60
tttcagattc ctgtaaaact ctaaaagaaaa ggagtcgggc ctcaactgat gtagaaatga	120
ctagtctcagc atacngagac acntctgact ccgattctag aggactgagt gacctgcan	179

<210> 54
 <211> 112
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(112)

<223> n = A,T,C or G

<400> 54

ttcgggttat gctctctcag gctacatcat natagaagca aagtagaana atcnggtttg	60
tgcattttcc caaanacaaa attcaaatga ntggaagaaa ttggganagt at	112

<210> 55
 <211> 225
 <212> DNA
 <213> Homo sapien

<400> 55

tgagcttccg cttctgacaa ctcaatagat aatcaaaagga caactttaac agggattcac	60
aaaggagta atccaaatgc caataaacat ataaaaagga attcagcttc atcatcatca	120
gaagwatgca aattaaaaac ataatgagaa accactatgt ccactagaa tagataaaat	180
cttaaaaagac tggtaaaaac aagtgttggg aaggcaagag gagca	225

<210> 56
 <211> 175
 <212> DNA
 <213> Homo sapien

<400> 56
 gctcctcttgg cattaccaac acattctcaa aaacctgtta gagtccctaag cattctcctg 60
 ttagtatagg gattttaccc ctgtcctata aagatgttat gtacccaaaa tgaagtggag 120
 ggccataccb taagggaggg gagggatctc tagtggtgtc agaagcggaa gctca 175

<210> 57
 <211> 223
 <212> DNA
 <213> Homo sapien

<400> 57
 agccatttac caccocatga tgaatggatt ttgtaattct agctgttgta ttttgtgaat 60
 ttgttaattt tgttgttttt ctgtgaaaac catacattgg atatgggagg taaaggagtg 120
 tcccagttgc tcttggtcac tccctttata gccattaact tottggtttct tgtaactcag 180
 gttaggtttt gctctctctt gctccactgc aaaaaaaaaa aaa 223

<210> 58
 <211> 211
 <212> DNA
 <213> Homo sapien

<400> 58
 gttogaaggt gaacgtgtag gtagcggatc tcacaactgg ggaactgtca aagaogaatt 60
 aactgaattc gatcaatcaa atgtgaactg ggaacaccc gaaggtgaag aacatcattc 120
 agtggcagac actgaaaata aggagaatga agttgaagag gtaaaagagg agggtcacaaa 180
 agagatgact ttggatgggt ggtaaaatggc c 211

<210> 59
 <211> 208
 <212> DNA
 <213> Homo sapien

<400> 59
 gctcctcttgg cattaccaac ttgcacacca tcataaccca tgtggccagg ttgacagccc 60
 aggtcgaca taaggggact gcctcgcaat acctcatgct gttgtgtgtg actgatggtg 120
 ctgtgaaggc tcttgaagcc aacgttgagg ctgtggtgag tgcttcgaac ctgcccattg 180
 cagtgatcat tatgggtggt aaatggct 208

<210> 60
 <211> 171
 <212> DNA
 <213> Homo sapien

<400> 60
 agccatttac caccataact aaattctagt tcaaaactca acctcttcca taaaacatct 60
 aaccactgac accagttggc aatagcttct tctctcttta acctctttaga gtatttatgg 120
 tcaatgcac acatttctgc aactgaataa agtttgtaag gcaagaggag c 171

<210> 61

<211> 134
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 61
 egggtgatga ctactcagga tttgggtgtgt caactcnaact caactgggctc ttctccagca 60
 actgggtgaat atgtctctcan gaaaaanccc acacgngct caggggtggg tgggaancat 120
 canaatcctc ngtc 134

<210> 62
 <211> 145
 <212> DNA
 <213> Homo sapien

<400> 62
 agaggggtaca tatgcaacag tatataaagg aagaagtga ctgagaggaa cttcacaaag 60
 gccattcaat caataagtga tagagtoaaag gtcacaccca ggtgtgacgg attccaggtc 120
 ccaagctcct tactggtaac ctctt 145

<210> 63
 <211> 297
 <212> DNA
 <213> Homo sapien

<400> 63
 tgcactgaga ggaattccaa ggggttatgc caaagaacaa accagtcctc tgcagcctaa 60
 ctccattcctt cttgggctgc gaagccatgt agagggcgat caggcagtag atggtccttc 120
 ccacagtcac ccccatggtg gtccggtaaa gcatttggtc aggcaggcct cgtttcaggt 180
 agaacggcac acatcagctt cctggaaaaa cttttgtagc tctggagctt tgttttccc 240
 agcataatca tacaactgtg aatgggaggt cagtttagtt ggtaaggcaa gaggagc 297

<210> 64
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 64
 gcactgagaa gaaattccaa tactatgttg aataggagtg gtgagagagg gcattcttgt 60
 cttgtgcccc ttctccaaagg gaatgcttcc agcttttggc cattcagtat aatattaaag 120
 aatgttttcc cactttctgt cttgcctgtt tttctgtgtc ttgtgtgtc tcttcattct 180
 ccatttttcc gtttttccat gttaggaaata tatttctttt aatgataact cacttttggc 240
 atcttttctg acaactctact catagtgtga taagcaactgg gtttgtaagg caagaggagc 300

<210> 65
 <211> 303
 <212> DNA
 <213> Homo sapien

<400> 65

gctctctcttg	ctttaccaaac	tcacccagta	tgtcagcaat	tttatcngct	ttacctacga	60
aacagcctgt	atccaaacac	ttaacacact	cacctgaaaa	gttcaggcaa	caatcgccct	120
ctcatgggtc	ctctcgctcc	agttctgaac	ctttctcttt	tcctagaaca	tgcatttarg	180
tcgataaaq	ctctctctag	tgc				240

<210> 66
 <211> 644
 <212> DNA
 <213> Homo sapien

taaggggaac	ctgcattga	gaaagcgaga	ctcactctga	agctgaaatg	ctgttgccct	60
tgcagtcctg	gtaggaggag	ctctgtgctt	tgtgggctaa	ggctcctgga	tgacccctga	120
catggaaaq	gtagagttgt	gtgccccttc	tcctggccctc	gtcaaggcat	catggactgc	180
caacacaaaa	atgcctgttt	tattaacgac	atgaaattga	aggagagAAC	acaattccact	240
gatgtggctc	gtaacccatgg	atatggctac	atcacagaggt	gtgattatgt	aaaggttaat	300
tcacccacac	ctatgtggaa	actagccctca	atgcaggggt	cccc		344

<210> 67
 <211> 157
 <212> DNA
 <213> Homo sapien

gcaactgagag	gaactctctga	gggaggttga	actggctgct	gaggaggggg	aacaacaggg	60
taaccagact	gatagccatt	ggatggataa	tatggctggt	gaggagggac	actaattata	120
gcagagtggt	gttatagcc	tgaggaggca	tcacccg			157

<210> 68
 <211> 137
 <212> DNA
 <213> Homo sapien

gcaactgagag	gaactctctga	aaagtgaag	cttagacata	aaataaaaata	aaaattttaa	60
actcagagga	gacagcccag	caagggtggt	caaggctgta	atcccagaac	tttggggagcc	120
tgaggaggca	tcacccg					137

<210> 69
 <211> 137
 <212> DNA
 <213> Homo sapien

cggttgatgc	ctctcagcc	tgtatcttga	agactatoga	ctggaactct	tatcaactga	60
agaatccat	aaaaatacca	gttgattat	ttctacctgt	caaaatccat	ttcaaatggt	120
gaagttcttc	tcagtgc					137

<210> 70
 <211> 120
 <212> DNA
 <213> Homo sapien

<220>

#201> misc_feature
 #202> (1)...(220)
 #203> n = A,T,C or G

#400> 70
 agcatgttga gctcagacac gcaatctgaa tgagtgtgca cctcaagtaa atgtctacac 60
 gctgcttggc ctacatggc acaccatcnc gtggagggca cactctgtct cngcctacwa 120
 cgagggaant ctcatwgaca ggttcacccc accaaaactgc aagaggctca nnaagtactr 180
 ccagggtmya sgjacmasgg tgggaytyca ycacwcatct 220

#210> 71
 #211> 353
 #212> DNA
 #213> Homo sapien

#200>
 #201> misc_feature
 #202> (1)...(353)
 #203> n = A,T,C or G

#400> 71
 ogttagatct totatccact gctaaaaccat acacctgggt aaacagggac catttaacat 60
 tcccanctaa atatggcgaag tgacttcaca tgtttatctt aaagatgtcc aaaaacgcaac 120
 tgattttctc ccttaaaact gtgatgggtgg gatgattaan cctgagtggt ctacagcaag 180
 ttaagtccaa ggtgctaaat gaangtgacc tgagatacag catctacaag gcagtacctc 240
 tcaacncagg gaaactttgc ttctcanagg gcatttgcga gtgtctgaag taattttctgt 300
 attacaactc aagggggggg ggggtgaatat ctantggana gnagaccta acg 353

#210> 72
 #211> 343
 #212> DNA
 #213> Homo sapien

#400> 72
 gcactgagag gaacttcaca taayatkato agagtgaaca rgcacccyac agaacaggag 60
 aaaatgttyg caatctctcc atctgacaaa aggttaatat ccagawtcta awaygaactt 120
 aaacaaatft atagagaaaag aacacacaa ctcawcaaaa agtgggtgaa ggawatgcts 180
 aaangaagac atytattcag ccagtaaaac yatgaaaaaa aggtcctsa tcactgawca 240
 ttagagaaat gcaaatcaca accacaatga gataccatct yayrcagtt agaayggtga 300
 tcattaaaar staggaaa cccagatgct ggacaagggt tca 343

#210> 73
 #211> 321
 #212> DNA
 #213> Homo sapien

#200>
 #201> misc_feature
 #202> (1)...(321)
 #203> n = A,T,C or G

#400> 73
 gcactgagag gaacttcaga gagagagaga gagttccacc ctgtacttgg ggagagaaac 60
 agaaggtgag aaagtctttg gttctgaagg agcttctaag atcttttcat ttgtttcatt 120

tcbaaagttcc	catgctgcca	aagtgcacac	ctttggggta	ctgtttttctg	agctccagtg	180
ataaactcatt	tatacaaggg	agataccag	aaaaaaagtg	agcaaatctt	aaaaaggctg	240
cttgagttca	gccttaata	ccatcttgaa	atgacacaga	gaaagaanga	tgctgggtgg	300
gagtggatag	agacccatac	g				361

<210> 74

<211> 321

<212> DNA

<213> Homo sapien

<400> 74

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<213> Homo sapien

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ttgtttttag	gattagaaaa	acatctggca	tgcagtagaa	attcaattag	tattcattct	240
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<212> DNA

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(211) 333

(212) DNA

(213) Homo sapien

(400) 81

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(210) 83

(211) 111

(212) DNA

(213) Homo sapien

(400) 93

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(210) 84

(211) 224

(212) DNA

(213) Homo sapien

(400) 84

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(211) 343

(212) DNA

(213) Homo sapien

(400) 85

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(211) 243

(212) DNA

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c400: 101
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 c211: 10
 c212: DNA
 c213: Artificial Sequence

c220:
 c223: Primer for amplification from breast tumor cDNA

c400: 102
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c210: 103
 c211: 10
 c212: DNA
 c213: Artificial Sequence

c220:
 c223: Primer for amplification from breast tumor cDNA

c400: 103
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c210: 104
 c211: 20
 c212: DNA
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c220:
 c223: Primer for amplification from breast tumor cDNA

c400: 104
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c210: 105
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c220:
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c400: 105

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<E11> 10

<E12> DNA

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<E10> 109

<E11> 10

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410 117
411 20
412 DNA
413 Artificial Sequence

420
423 Primer for amplification from breast tumor cDNA

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410 118
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413 Artificial Sequence

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423 Primer for amplification from breast tumor cDNA

400 118
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42203 Primer

4400 130
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4210 131
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4212 PFT
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4220
4223 Predicted Th Motifs (B-cell epitopes)

4400 131
Ser Ser Gly Gly Arg Thr Phe Asp Asp Phe His Arg Tyr Leu Leu Val
1 5 10 15
Gly Ile

4210 132
4211 22
4212 PFT
4213 Artificial Sequence

4220
4223 Predicted Th Motifs (B-cell epitopes)

4221 VARIANT
4222 (1)...(22)
4223 Xaa = Any Amino Acid

4400 132
Gln Gly Ala Ala Gln Lys Pro Ile Asn Leu Ser Lys Xaa Ile Glu Val
1 5 10 15
Val Gln Gly His Asp Glu
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4210 133
4211 23
4212 PFT
4213 Artificial Sequence

4220
4223 Predicted Th Motifs (B-cell epitopes)

4400 133
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1 5 10 15
Thr Pro Phe Asp Leu Ser Ala
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4210 134

0211 9
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0220
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0400 134
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 1 5

0210 135
 0211 9
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0220
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0400 135
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 1 5

0210 136
 0211 9
 0212 PFT
 0213 Artificial Sequence

0220
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0221 VARIANT
 0222 (1)...(9)
 0223 Xaa = Any Amino Acid

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0210 137
 0211 9
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0220
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0400 137
 Glu Val Val Gln Gly His Asp Glu Ser
 1 5

0210 138
 0211 9
 0212 PFT

0213 Artificial Sequence

0400

0213 Predicted HLA A2.1 Motifs (T-cell epitopes)

0400 138

His Leu Gln Gln Ala Tyr Arg Ile Tyr

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5

0210 139

0211 9

0212 PRT

0213 Artificial Sequence

0210

0213 Predicted HLA A2.1 Motifs (T-cell epitopes)

0400 139

Asn Leu Ala Phe Val Ala Gln Ala Ala

1

5

0210 140

0211 9

0212 PRT

0213 Artificial Sequence

0210

0213 Predicted HLA A2.1 Motifs (T-cell epitopes)

0400 140

Phe Val Ala Gln Ala Ala Pro Asp Ser

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5

0210 141

0211 3388

0212 DNA

0213 Homo sapien

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<210> 142

<211> 419

<212> DNA

<213> Homo sapien

<400> 142

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<210> 143

<211> 402

<212> DNA

<213> Homo sapien

<400> 143

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<210> 144

<211> 224

<212> DNA

<213> Homo sapien

<400> 144

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tgaggtat	ccacagcttg	cggacaactc	ctttgatgcc	aagcgaggtg	cagccggaga	180
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<210> 145

<211> 111

<212> DNA

<213> Homo sapien

<400> 145

agccatttac	cccccataca	caaaaaaaaa	aaaaaaaaag	aaaaatatca	aggaataaaa	60
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<210> 146

<211> 585

<212> DNA

<213> Homo sapien

<400> 146

tagcatgttg	agccagagaa	cttgttagaga	gaggaggaca	gttagaagaa	gaagaaaagt	60
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aaattttatg	atatttgasa	taatgccccaa	acttaatttc	ctcctgagga	aaactattct	240
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<210> 147

<211> 579

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(579)

#223> n = A,T,C or G

#400> 147

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#210> 148

#211> 249

#212> DNA

#213> Homo sapien

#400> 148

tgacaccttg	ccacagatct	gcaagccagg	aagagagtcc	ccaccaagat	ccccaccccg	60
ttggcaccag	gatcttggac	ttccaatctc	cagaactgtg	agaaataagt	attctgtcgt	120
aaataaatct	ttgtgggttc	agatatttag	ctatagcaga	ccaggtcgac	taagagaaac	180
cccataagag	ttacatactc	attaatctcc	gtctctatcc	ccaggtctca	gatgtctggac	240
aaggtgtca					249	

#210> 149

#211> 255

#212> DNA

#213> Homo sapien

#400> 149

tgacaccttg	ccacagatct	gctattttgt	gactttttta	taatagccat	cttgactggg	60
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ctggacaagc	tgctca				249	

#210> 150

#211> 318

#212> DNA

#213> Homo sapien

#400> 150

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aacaggacac	tgtctccgct	gccacaaagc	gtcagagact	cccatctttg	aagcaccggc	240
ttcttggctc	tcctgcactt	ccctgtttctg	ttagagacct	ggttatagac	aaggctttct	300
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#210> 151

#211> 323

#212> DNA

<213> Homo sapien

<214>

<215> misc_feature

<216> (1)...(323)

<217> n = A,T,C or G

<400> 151

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tcnngocfta aaagcnnttc aactacatgc ntcancactg tntgtgnac ntcatnaact	180
gtcngniata ggggcncata aactacagaaa tgcanttcac actgcttcca ntgcocatng	240
cgtgtggtct tncctactct tcttntatto caagtagcat ctctggantg ctcccccact	300
ctccacattg ttgagcnat aat	323

<218> 152

<219> 311

<220> DNA

<221> Homo sapien

<400> 152

tcaagattcc ataggtgac cagtccaagg agagttgaaa tcatgaagga gagtctatct	60
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<222> 153

<223> 332

<224> DNA

<225> Homo sapien

<400> 153

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<226> 154

<227> 345

<228> DNA

<229> Homo sapien

<230>

<231> misc_feature

<232> (1)...(345)

<233> n = A,T,C or G

<400> 154

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aacttgigta aggaacagga atgttggtcan cctatggaat ctgga 345

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<210> 155
<211> 345
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

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<400> 155
gacgcttggc cacttgacac attaaacagt tttgcataat cactancatg tattttctagt 60
ttgctgtctg ctgtgacggc ctggccctgat tctctggggt taatgatggc aagcataatc 120
aaaagctggt ctgtttaattc caagttataa ctggcattga ttaaagcatt atctttcaca 180
actaaaactg tcttcatana acagcccata ttattatcaa attaagagac aatgtattcc 240
aatatccttt anggccaata tatttnatgt cccttaatta agagctactg tccgt 295

```

```

<210> 156
<211> 406
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

```

```

<400> 156
gacgcttggc cacttgacac tgcagtggga aaaccagcat gagccgctgc ccccaaggaa 60
cctogaagcc caggcagagg accagccatc ccagcctgca ggtaaaagtg gtccactgtc 120
aggtgggctt gggttgagtg ggtgggggaa gtgtgtgtgc aaagggggtg tnaatgtnta 180
tgctgtgtag catgagtgat ggcctagctg actgcctgtc agggagtggt aacaagcgtg 240
cgggggtctc tctgcaagtj cgtatgcata tgagaatatg tgtctgtgga tgagtgcatt 300
tgaaagtctg tctgtgtgct tctggctcat anggtaantt antgactggc caggatgtgt 360
gagtgctcat ggaacactca ntgtgtgtgt caagtggcch ancgtc 406

```

```

<210> 157
<211> 308
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

```

```

<400> 157
tgacgcttgg cacttgaca cactaaaggg tgttactcat cactttcttc tctctcggt 60
ggcatgtgag tgcattatc cacttggcac tcatttgttt ggcagtgaat gtaanccana 120

```

tctgatgcat acaccagctt gtaaattgaa taaatgtctc taatactatg tgcgcacaat 180
 anggtanggg tgaggagaag gggagaga 208

<213> 153
 <211> 547
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 153
 cttcaacctc cttcaacctc cttcaacctc ctggattcaa acaatcctcc caoctcagac 60
 tocttagtag ctgagactac agactcagc cactacatct ggctaaattt ttgtagagat 120
 aggggtttcat catgttgccc tggttggtct caaaactcctg aacctcaagca atgtgcccac 180
 ctcagocctcc caaagtgcctg ggattacagg cataagccac catgcccagt ccatttttaa 240
 tttttcctac cacatttctta ccacactttc ttttatgttt agatacataa atgcttacca 300
 ttatgataca attgcccaca gtattaagac agtaacatgc tgcacagggt tttagcctag 360
 gaacagtagt caataaccaca tagcttaggt gtgtggtaga ctataccatc taggtttgtg 420
 taagttacac ttlatgctgt ttacacaatg acaaaaaccat ctaatgatgc atttctcaga 480
 atgtatcctt gtcagtaagc tatgatgtac aggggaacct gcccaggac acagatattg 540
 taactgt 547

<210> 159
 <211> 208
 <212> DNA
 <213> Homo sapien

<400> 154
 gctcctcttg ctttaaccaa tcaaccagta tgcagcaaat tttatcngct ttacctaaga 60
 aacagccgtg atcaaaacac ttaacacact caoctgaaaa gttcaggcaa caatcgccct 120
 ctcatgggc tctctgcctc agttctgaac cttctctctt toctagaaca tgcatttarg 180
 togataaaat tctctctcag tgc 208

<210> 160
 <211> 482
 <212> DNA
 <213> Homo sapien

<400> 160
 tgtaagtcca gcatgtgat ggggtggaac ggggtgtgaag cagtaattgc aaactgtatt 60
 taaacaataa taataatatt tagcatttat agagcacttt atatcttcaa agtaacttga 120
 aacatttctt aattaaaata cctctctgat tataatctgg atacaaatgc acttaaaactc 180
 aggacaggt catgagaaaa gtatgcattt gaaagtgggt gctagctatg ctttaaaaaac 240
 ctatacaatg atagggraagt tagagttcag attctgttgg actgtttctg tgcatttccg 300
 ttcagcctga tgcagcaatt agatcatatc tgcactcgat gactytgctt gataaacttat 360
 cactgaaatc tgagtgttga tcatcacact gctcgactta ca 402

<210> 161
 <211> 143
 <212> DNA
 <213> Homo sapien

<400> 161
 agcatgttga ggcagacac tgaccaggag aaaaaccaa acatagaaac accgcccagac 60
 actgactaga agaaaaaca accaataaaa acaggcccgg acataagaca aataataaaa 120
 tttagggaca aggcacatgaa aacagctatt gtaagagcgg atatagtggg gtgtgtcttg 180
 gctcaacatg cta 143

<210> 162
 <211> 147
 <212> DNA
 <213> Homo sapien

<400> 162
 tgttgagccc agacaatgac caggagaaaa accaaccaat aaaaacaggg ccggacataa 60
 gacaaataat aaatttagcg gacaaggaca tgaaaaacagc tattgtaaga gcggatatag 120
 tgggtgtgtg ctgggctcaa catgcta 147

<210> 163
 <211> 194
 <212> DNA
 <213> Homo sapien

<400> 163
 tagcatgttg agcccagaca caaatcttct ctttaagcaat aaatcatttc tgcataatgt 60
 tttaaaaaca cagcttaagcc atgattatto aaaaggacta ctgtattggg tattttgatt 120
 tgggtttctta cctccctcac attatcttca tttctatcat tgacctctta tcccagagac 180
 tctcaaaact ctatgttata caaatcacat cctgtctcaa aaaatatctc acccaattct 240
 cttctgttct tgcctgtgta tctgtgtgtg cgtgtgtctg ggctcaacat gcta 304

<210> 164
 <211> 412
 <212> DNA
 <213> Homo sapien

<210>
 <211> miss_feature
 <220> (1)...(412)
 <223> n = A,T,C or G

<400> 164
 cgggatttgc tttagagctgc agatgctgac tctgacccga ccggggctgg aacagaaaagc 60
 caactggctg caagtggccc agagccggcc tgactacgtg ctgctgtggg gctggggcgt 120
 gatgaactca accgcccctga aggaagccca ggccacccga tacccccggc acaagatgta 180
 cggcgcttgc tgggcccgtg ccgagcccca tctgctgtgac gtggggcgaag gcgccaaggg 240
 ctacaaacac ctatgctctga accgtacgg caccgactcc aaggtgatcc angacatcct 300
 gaaacacgtc caacacaagg gccagggcac ggggccccaa gacgaagtgg gctcgggtgt 360
 gtacacccac ggctgtgatca tccagatgct ggacaaggtg tcaatcacta at 412

<210> 165
 <211> 361
 <212> DNA
 <213> Homo sapien

<400> 165


```

ctgacacottt gtcacagcatc tgcattctgat gagagactca gatgggtacc actaatggca      60
gaaggcaaaag gagaacagggc atttgtatggc aagaaaaggaa gaaagagaga ggggagaaaag    120
gtgtataggtt cttttcaaca accagttctt gatggaactg agagttagag ctcaaggcca    180
ggtgtgtgtga ctccaaccag taatcccaac attttaggag gctgaggcag gcagatgtct    240
tgaccccatg agtttctgac cagcctgaac aacatcatga gactccatct ctacaataat    200
cacaaaaatt aatcagggcat tgtgggtatgc cctgtagtcc cagatgctgg acaaggtgtc    360
a

```

<110> 166

<111> 417

<112> DNA

<113> Homo sapien

<400> 166

```

twgaactact caftgcccct acacccaact atctttctcca ggtggccagg catgatagaa      60
cttgatcttc acftagggga atattttctt tttacttccc atcttgattc cctgcgggtg    120
agcttctctg ttnagggtaa gaaaggagct caggccaaag taatgaacaa atccatcttc    180
acagaactac agaataagag aacwtggacw tagccagcag aacmcaaktg aaamcagaac    240
mottamctag gatracaaamo mrrraratar ktgcyomcmo wtataataga aacccaaactt    300
gtatctaatl aaatatctat ccacygtcag ggcatttagtg gtcttgataa atacgctttg    360
gctaggattc ctgagggttag aatggaaraa caattgcamo gagggtaggg gacatgagtc    420
aktctaa

```

<110> 167

<111> 500

<112> DNA

<113> Homo sapien

<120>

<121> misc_feature

<122> (1)...(500)

<123> n = A,T,C or G

<400> 167

```

aaggtctcat gctcccgccc gccatggccg cgggatagac tgactcatgt cccctaagat      60
agaggagaca ccggttaggt gtaaggagaa gatggttagg totacggagg ctccaggggtg    120
ggagtadtct cctgctaagg gagggtagac tgttcaacct gttctgctc cggcctccac    180
tatagccgat gccagcagga gtaggagaga gggaggtaag agtcagaagc ttatgttgtt    240
tatgggtccc aagccctat cgggggcagc cragtctatta ggggacntr tagwyartow    300
agntagcctc caaagcgnng gattntccc atatggttgg acctgcaggc ggccgcatta    360
gtgattagaa tgtgagcccc agacacgcct agcaacaagg acctaaaact agatcctgtg    420
ctgattactt aacatgaatt attgtattta ttaacaaact ttgagttatg aggcataatta    480
tcaggctcat attacctgga

```

<110> 168

<111> 358

<112> DNA

<113> Homo sapien

<400> 168

```

tccatccttc ggtgaactca gctgtgaatc ccagaaacttc gggaggccga ggggagcaga      60
tcacctgagc ttgggagttt gagaccagcc tggccaacat ggtgacaaac cgtctctgct    120
aaaaatccaa aaattagcca agcatgggtg catgcacttg taatcccagg tactggggag    180
gctgaggccg gagaatcact tgaggccagg aggcagaggt tgcagtgaag cagaggttga    240

```

gacacatgcca	ctgcaactcca	gactggggcaa	cagagtaaga	ctccatctca	aaaaaaaaaa	300
aaaaaaaaaga	tgatcagagc	cacaaataca	gaaaacottg	agtcacagag	cgatgaaa	358

4210: 169

4211: 1265

4212: DNA

4213: Homo sapien

4400: 169

ttctgtccac	acaaatctta	gagctctgaa	agaatttgto	tttaaatatc	ttttaatagt	60
aacatgtat	ttatggacca	aattgacatt	ctcgactatt	ttttcccaaa	aaaagtccag	120
tgaatttcag	cacactgagt	tggaatttct	ttatcccaga	agwccggcag	agcaatttca	180
tatttatcta	agattgatto	catactccgt	tttcaaggag	aatccctgca	gtctccttaa	240
aggtagaaca	aatactttct	attttttttt	caccattgtg	ggattggact	ttaagagggt	300
actctaaaaa	aaacagagaa	aaatatgtct	cagttgtatt	aagcacggac	ccatattatc	360
atattcactt	aaaaaaaaat	ttctctgtgc	accttttggc	aaattctctt	ttcaatgtag	420
ggaaaaactt	agtcacccct	aaaaaccaca	aaataaataa	aaattgtaga	tgtgggcaga	480
argtttgggt	gttagacatt	tatgtgttta	aattaaaacc	tgtatcactg	agaagctgtt	540
gtatgggtca	gaaaaaatga	atgcttagaa	gotgttcaca	ttttcaagag	cagaagcaaa	600
ccacatgtct	cagctatatt	attattttat	ttttatgcac	aaagtgaatc	atttctctct	660
tattaatctc	caaagggttt	taccccttat	ttaaatgctt	tgaaaaacag	tgcattgaca	720
atgggttgat	atttttcttt	aaaagaaaaa	tataattatg	aaagccaaga	taattctgaag	780
ctgtctctat	tttaaaaact	tttatgttct	gtggttgatg	ttgtttgttt	gtttgtctct	840
attttgttgc	ttttttaact	tgttttttgt	tttgttttgt	tttggtttdg	catactacat	900
gcagttctct	taacaaatgt	ctgttttggt	aatgtaatta	aagttgttaa	tttatatgag	960
tgcatttcaa	ctatgtcaat	ggtttcttaa	tattttattgt	gtagaagtac	tggtaatttt	1020
tttatctaca	atattgttaa	agagataaca	gtttgatatg	ttttcatgtg	tttatagcag	1080
aagttatcta	ttctatgtgc	attccagcgg	atatttttgt	gtttgcgagg	catgpagtca	1140
atatttttga	cagtttagtg	acagttatca	gcacggcctg	atagcttctt	tggccttatg	1200
ttaaataaaa	agacctgttt	gggtatgtaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1260
aaaaa						1265

4210: 176

4211: 383

4212: DNA

4213: Homo sapien

4400: 176

tgttaagtcca	gcagtggtgat	gaagatatto	ttcttattaa	tgtggtaatt	gaacaaatga	60
tctgtgatcc	tgatcctgag	ctaggaggcg	ctgttcagtt	aatgggaact	cttcgtactc	120
taattgaccc	agagaacatg	ctggctacaa	ctaataaaac	cgaaaaaagt	gaattttctaa	180
actttctctc	cacccattgt	atgcattgtc	tcacagcacc	acttttgacc	aatacttcag	240
aagacaaatg	tgaaaaggat	aatatagtgg	gatcaaacaa	aaacaaacaa	atttgcctcg	300
ataattatca	aaacagcag	ctaattgact	taattttaga	gttactcaca	ttctgtgtgg	360
aacatcccat	tgtctgactt	aca				420

4210: 171

4211: 383

4212: DNA

4213: Homo sapien

4400: 171

tgggcacct	caatatcgca	agttaaaaat	aatgttgagt	ttattatact	tttgacctgt	60
ttagctcaac	agggtgaagg	catgtaaaga	atgtggactt	ctgaggaatt	tttttttaaa	120

aagaacataa	tgaagtaaca	ttttaattac	tcaaggacta	cttttggtty	aagtttataa	180
tctagatacc	tctacttttt	gtttttggtg	ttcgacagtt	cacaaagacc	ttcaggaatt	240
tacagggtaa	aatcgttgaa	gtagtggagg	tgaacctgaa	atttataatt	attctgtaaa	300
tactataggg	aaagagggtg	agcttagaat	cttttggttg	ttcatgtgtt	ctgtgctctt	360
atcctacac	tgctcgactt	aca				383

<210> 172

<211> 699

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A, T, C or G

<240> 172

tgggggtgatg	ctctctcagg	cttgctgtta	gtgtacacag	agctgctcat	gaagcgacag	60
cggtcgcccc	tggaacttca	gaaacctotto	ctctacactt	ttggtcgctt	totgaatcta	120
ggtctgcctg	ctggcgcgcg	ctctggcccc	ggctctcttg	aaagttttct	aggatgggca	180
gcactcgttg	tgctgagcca	ggcactaaat	ggactgctca	tgtctgctgt	catggagcat	240
ggcagcagca	tcacacgctt	ctttgtgggtg	tcctgctctg	tggttggtcaa	cgccgtgctc	300
tcagcagtcn	tgtaacgggt	gcagctcaaa	gcgcctctct	tcctggccac	attgctcatt	360
ggctcgctca	tgccgctgta	ctatggcagc	cgttagtccc	tgacaaactc	caacctgatt	420
ccggacccctg	tatattgggg	gcacccacaa	gatccccctc	ccaggccctc	ctccctctcc	480
catcagcgcg	ccgttaacaa	gtgccttggtg	agaaaagctg	gagaagttag	ggcagccagc	540
ctattctctg	gaggttgggtg	gatgaagggtg	tacccctagg	agatgtgaag	tgtgggtttg	600
gttaaggaaa	tgcttaccat	cccccaaccc	caaccaaagt	nttcacagact	aaagaattaa	660
ggtaacacata	atacctaggg	ctgaggaggcg	atcacccga			699

<210> 173

<211> 781

<212> DNA

<213> Homo sapien

<240> 173

tgggggtgatg	ctctctcagg	ccagatcaaa	cttgggggttg	aaaactgtgc	aaagaaatca	60
atgtcggnga	aagaatttttg	caaaaagaaaa	atgcctaatt	agtactaatt	taataggcca	120
cattagcagt	ggaaagaagaa	atgttgatat	tttatgtcag	ctattttata	atcacccagc	180
tgcttaagct	catgtaagcc	atctcgtatt	cattagaaat	aagaacaatt	ctattcgtcg	240
gaaagaactn	ctaaatttat	agcatcttaa	ttgctcagga	ttttaaattt	tgataaagaa	300
agctccactn	ctggcaggag	tagggggcag	ggagagagga	ggctccatcc	acaaggacag	360
agacacccag	gcacgtaggc	tagctgggtg	ctggatcagt	cacaaaggac	tgacttcagg	420
catgagaaga	aaacacccctc	aaatctcagt	tgcttaatac	aaacacaagc	cattttcttgc	480
tcacgttaca	tgctctatgt	agatcaacag	caggtgactc	agggaccccag	gctccatctc	540
catatgactc	tcacatagtc	ccaggacacg	ggctctgaaa	gtgtcctcca	tgacgggaca	600
catgcctctt	cttttcattg	ggcagagcaa	gtcaacttat	gcacagaagtc	acactgcagg	660
gcagtgcact	cttgctgtat	gctgaggag	gcacaccccg	a		701

<210> 174

<211> 780

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 174

togggtatx	octoctcang	ccccataatc	agagtccagg	gtccagagcca	caggagacag	60
ggaaagacat	agattttaac	cgccccctt	caggagattc	tgaggctcag	ttcactttgt	120
tgcagtttga	acagaggccag	caaggctagt	ggttaggggc	acggctctta	aagctgcact	180
gootggatct	gootccccagc	tctgcccagga	accagctgag	tggcccttag	ctgctgacac	240
gcagaaaqcc	ccctgtggac	ccagtctcct	cgctctgaag	atgaggacag	gactctagga	300
accccttccc	ttggtttggc	ctcactttca	caggctccca	tcttgaactc	tactactctt	360
tttccgtaaa	ccctgtaaaa	gaaaaaagt	ctagccctgg	caacatggca	aaacccctgtc	420
tctacaaaaa	atacaaaaaa	tagttgggtg	tgggtggcatg	tgcctgtagt	ccagagccact	480
tgggagctac	tgaggtggga	ggatccactg	agcccgggag	gtggagggtt	cagtgagcca	540
agatcatgct	actgcacctc	agctgagta	atagagtaag	actctgtctc	aaaaacacaa	600
acaacacacg	tgagtgctgc	tctgtttcgc	ggttgggatgg	ggcaccacat	ttatgcatct	660
ctcagatttg	gacgtctgag	cccgaggagg	catacccccga			700

<210> 175
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 175

tataggccga	attgggcccg	agttgcctgn	tcccggccgc	cattggccgcg	ggattccgggt	60
gatgcctcct	caggcttctc	tgcacacaag	taactctctg	agctccagaaa	gtgcaccttg	120
atgaggcaaa	atctccact	gcactgogaa	ttctccagtt	ccattttacc	tcccagctct	180
ccctctcaac	cagtttaata	attcattcca	caagtattta	ctgattacct	gcttctgcac	240
gggaactttc	tcaggttgaa	gaaggtggga	ggggaggggc	gaacctgagg	agccacctga	300
gcacagctta	tatttcaaac	atggctggcc	cattctgagag	cattccccc	ctctcgcaca	360
ccatctgggg	catagcacag	ggatgccccc	aggcgcccca	ggttagatgc	gtccctctgg	420
cttgtaagta	atgacataca	ccctagctgc	ttagctgggt	ctggccctgag	gaggcatcac	480
ccga						484

<210> 176
 <211> 482
 <212> DNA
 <213> Homo sapien

<400> 176

togggtgatx	octoctcagg	gtccaaggga	tgagaagtga	cttctttctg	gagggaacct	60
tcattgcac	caggatgaaa	atggataggg	acccacttgg	aggacttgc	gatatgttg	120
gacaaatgcc	aggtagccga	attggtaact	gtccaggagt	tatccaggat	agattttcac	180
ccaccatggg	acgtcatcgt	tcaaatcaac	tcttcaatgg	ccatggggga	ccatcatgac	240
ctccacacaa	atcgcagttt	ggagagatgg	gaggcaagtt	tatgaaaagc	cagggggctaa	300
gcacagctta	ccataaccag	agtcagggac	tcttatccca	gctgcaagg	cagtcgaagg	360
atatgcctcc	tgggtttct	aagaaaggac	agcttaatgc	agatgagatt	agcctgagga	420
ggcatcaccc	ga					482

<L10> 177
 <L11> 799
 <L12> DNA
 <L13> Homo sapien

<400> 177

tagcatgttg	agcccagaca	cagtagcatt	tgtgccaatt	tctggttgga	atggtgacaa	60
catgctggag	ccaagtgcra	acatgccttg	gttcaaggga	tggaaaagta	ccogtaaggga	120
tggcaatccc	agtggaaocaa	cgtcgcttga	ggctctggac	tgcctcctac	caocaaactcg	180
cccaactaac	aaaccccttg	gcctgcctct	ccaggatgtc	tacaaaaattg	gtgggtattgg	240
tactgttctt	gttggccgag	tggagactgg	tgtctccaaa	cccggtatgg	tggtccacct	300
tgcctccactc	aaagttaaaa	cggaagttaa	atctgtcgaa	atgcacccatg	aagctttgag	360
tgaagctctt	ccctggggaca	atgtggggctt	caatgtcaag	aatgtgtctg	tcaaggatgt	420
tcgttgtggc	aaagtgtgtg	gtgacagcaa	aaatgaccca	ccaatgggaag	cagctgggctt	480
cactgtccag	gttatttatcc	tgaacccatcc	aggccaaata	agtgcctggct	atgcctctgt	540
attggattgc	ccacaggctc	acattgcctg	caagctttgt	gagctgaagg	aaaagattga	600
tcgcctgtct	ggtaaaaaag	tggaaagtgg	ccctaaattc	tggaaagtctg	gtgatgtctc	660
cattgttgat	atgtgtctctg	gcaagcccat	gtgtgttgag	agcttctcag	actatccacc	720
tttgggtctc	tttgcctgtc	gtgatatgag	acagacagtt	gcggtgggctg	tctgggctca	780
acatgcta						788

<L10> 178
 <L11> 786
 <L12> DNA
 <L13> Homo sapien

<400> 178

tagcatgttg	agcccagaca	cctgtgttct	tgggagctct	ggcagtggtg	gattccatagg	60
cactgtggct	gcacttttgaa	tgcacacactt	ggctttatta	gattccactag	tttttaaaaa	120
attgtgttct	gtttctttct	attaaaaggt	taatcagaca	gattcagacag	cataattttg	180
tatttaattga	cagaaaagct	ggtacactct	ttcatgaatg	agcttgccatc	ctgaagcaag	240
agcctacaaa	aggcacttgt	tataaatgaa	agctctggct	ctagaggcca	gtactctgga	300
gtttccagagc	agccagtgat	cgttccagtc	agtgatgcct	agttatatag	aggaggagta	360
cactgttccac	tcttctcaggt	gtaagggtat	gcaacttttg	attttaaaat	tctgtacaca	420
tacacacttt	atatatatgt	atgtatgtat	gaaaaacatga	aattagtttg	tcaaatatgt	480
gtgtgttttag	tatttttagct	tagtgcaact	atttccacat	tatttatcaa	attgatctaa	540
gacactttct	tgttgacacc	ttgaatatta	atgttcaagg	gtgcaatgtg	tattccttta	600
gattgtttaa	gcttaattac	tatgatttgt	agtaaaattaa	cttttaaaat	gtatttgagc	660
ccttctgttag	ctgtgttaggg	ctcttacagg	gtgggaaaga	ttttaatttt	ccagttgcta	720
attgaaagct	atgcctccat	tatatatttt	gatttatagg	agtttgtgtc	tgggtccaac	780
atgcta						786

<L10> 179
 <L11> 746
 <L12> DNA
 <L13> Homo sapien

<400> 179

tagcatgttg	agcccagaca	ctgggttaaaa	gaccagacct	gcttccctcca	tatgtaaaaa	60
gcttttaaaa	agccagtga	cctttttaat	actttggcaa	ccttctttca	caggcaaaaga	120
acacccccat	ccgcctcttg	cttggagtgc	agagtttggc	tttggctctt	tgccttgcct	180
ggagtatact	tctaatctct	gttgcctctc	acaagctgaa	taccgagcta	cccacggcca	240
cccaggccag	gttccactc	atttattact	ttatgtttct	gttccacttc	tgggtccacag	300

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aaataagttt tcttttggag gaatgtgatt ataccctttt aatttcctcc ttttgctttt 360
ttttaaatatc attggtatgt gtttggccca gaggaaactg aaattcacca tcatcttgac 400
tggcaatccc attaccatgc tttttttaa aaacgttaatt ttttttgctt tacattggca 480
gagtagcccc tcttggctac tggcttaatt tagtcactca gtttctaggt ggcattaggg 540
atgagacctg aagcacagac tgtcttacca caaaagggtg caagatctca aaccttaggc 600
aaagggctat gtcaggtttc aatgctatct gcttctgttc ctgctcactg tcttggattt 660
tgtctctctt cctccctagc accagaattt cccagtctcc ctccctacct tcccttgctt 720
caattctaat ctatcagcaa aataactttt caaatgtttt aacgggtatc tccatgtgtc 780
tgggctcaac atgcta 846

```

<210> 180

<211> 488

<212> DNA

<213> Homo sapien

<400> 180

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ggatgttctg caaggcgatt aagttgggta acgccagggt tttcccagtc accaogttgt 60
aaaaacgaggg ccagtgaatt gtaatacagc tcaatatagg gogaattggg cccgaactgg 120
catgctcccc gcccgcattg ccgggggata gcattgttag cccagacacc tgcaggctcat 180
ttggagagat ttctcacgtt accagcttga tggctctttt caggaggaga gacactgagc 240
actcccaagg tgaagttgaa gatttccctc agatagccgg ataagaagac taggagggat 300
gcctagaaaa tgattagcat gcaaatcttc acctgacctc tcagaactgt gtgtcagccc 360
acattcagct gcttcttctg aactgaaaag agagaggtat tgagaacttt ctgatggccg 420
ctctaactat gtaacacagt aatctgtgtg tgtgtgggtg tgtgtgtgtg tctgggctca 480
acatgcta 488

```

<210> 181

<211> 317

<212> DNA

<213> Homo sapien

<400> 181

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tagcatcttg agcccagaca cggcgacggg acctgatgag tgggggtgat gcaactgtga 60
aaaggacgaa cgtcatcccc catgatattg gggacccaga tgatgaacca tggctccggg 120
tcaatgcata tttaatccat gatactgctg attggaagga cctgaacctg aagtttctgc 180
tgcaggttta tctggactat tacctcacgg gtgatcaaaa ctctctgaag gacatgtggc 240
ctgtgtctct agtaagggat gcacatgcag tggccagtgt gccaggggta tggttggctg 300
ctgggctcaa catgcta 317

```

<210> 182

<211> 547

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

<400> 182

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tagcatgttg agcccagaca ctggctgtta gccaaatcct ctctcagctg ctccctgttg 60
tttggtgact caggattaca gaggcacctt gtttcaggga acaaaaagat tttagctggc 120
agcagagagc accacataca ttagaatggg aaggactggc acctccttca agaacaggag 180
tgaggggtgt ggtgaatggg aatggaagcc tgcattccct gatgcatttg tgcctctca 240

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aatcctgtct	tagctcttag	aaaggaagta	aagtttcaag	gacgggttcg	aactgttttt	300
tgtgtctggg	ctcaacatgc	tatcccggg	ccatggcggg	gggagcatg	cgacgtcggg	360
cccaattcgg	cctatagtga	gtcgtattac	aattcaatgg	ccgtcgtttt	acaacgtcgt	420
gactgggaaa	anctggggt	tacccaaatt	aatcgcttg	cagcacatcc	ccctttccca	480
gctggcgtaa	tanccgaaaag	gcocgca				507

(210) 183

(211) 117

(212) DNA

(213) Homo sapien

(400) 183

gatttaagct	gcaacactgt	ggaggttagcc	ctggagcaag	gcaggcatgg	atgcttctgc	60
aatcccccac	tggagcctgg	tatttcagcc	aggaatctga	gcagagcccc	ctctaatctg	120
agcaatgata	agttattctc	tttgttcttc	aaccttccaa	tagccttgag	cttcacagggg	180
agtgtcctta	atcattacag	cctggtctcc	acagtggttg	agcgtaa		247

(210) 184

(211) 225

(212) DNA

(213) Homo sapien

(400) 184

ttacgctgca	acactgtgga	gcagattaac	atcagacttt	tctatcaaca	tgaactgggg	60
tactaaaaag	acaacaaatc	aatggcttca	aaagtctaac	gaataatttc	gataacttcaa	120
ctttataaaa	cctgacaaaa	ctatcaatca	agcataaaga	cagatgaaga	acatttccag	180
attttgccca	atcagatatt	ttacctccac	agtgttcgag	cgtaa		247

(210) 185

(211) 547

(212) DNA

(213) Homo sapien

(400) 185

ggcccgacgt	cgcattgtcc	cgcccgccat	ggcccgggga	ttcgttaggg	tctctatcca	60
ctgggaacca	taggttagtc	agagtattta	gagttgagtt	cccttctgct	tcccagaatt	120
cgaaagaaaa	ggagttaggt	gatagagctg	agagatcaga	tttgctctg	aagcctgttc	180
aagatgttat	tgcacagacc	ccaccactgg	ggcctgtggg	tgaggtcctg	ggcatctatt	240
tgaatgaatt	gctgaagggg	agcaatctgc	caaggaaggg	gaacccatcc	tggcactggc	300
acaggggtca	ccttatccag	tgtcagtcgc	ttctttgctg	ctacctgggt	ttctctcata	360
tgtgaggggc	agutaagaaag	aagtgcctcg	tgttgtgcga	gttttagaac	atctaccagt	420
aagtgggaaa	gtttccacaaa	gcagcagctt	tgttttgcgt	attttcacct	tcagtttagaa	480
gaggaaggct	gtgagatgaa	tgttagttga	gtggaaaaga	cggttaagct	tagtggatag	540
agacccctaa	gaatccactag	tgccgcgcgc	ctgcaggtcg	accatatggg	agagcttc	607

(210) 186

(211) 547

(212) DNA

(213) Homo sapien

(400) 186

ggcccgacgt	tgcattgtcc	cgcccgccat	ggcccgggga	ttcgttaggg	tctctatcca	60
ctacctaata	aattccaaaa	atataactga	actctccaca	cccaatttga	ccaatccatc	120
accccagagg	cctacagatc	ctcctttgat	acataagaaa	atttccccaa	actacctaac	180

tatatcattt	tgaagattt	gttttaacaa	atcttgatgg	cctttctgag	cttgctcagt	240
tgaaccacta	ttacgaacga	cggatatta	actgcacctc	acgtccagg	tgtagctggc	300
aacatcaagt	gggttaata	tcatttaagt	tttcacctac	taaggctgct	aaacacccca	360
gggtgcacatg	tcggtagcag	atcttttgat	ttgtttttat	ttcccataag	ggtcctgttc	420
aaggccaatc	atcacgttag	tgtgagcagc	tagtcactat	cgcctgactt	ggaggggtgat	480
aatagaggcc	tccttcgtcg	tcacagaaat	cttgctccag	cctgtcaaaag	tggatagaga	540
ccctaangaa	tcactagtgc	ggccgcctgc	aggtcgacca	tatggggagag	ctcccaa	600

<210> 187

<211> 184

<212> DNA

<213> Homo sapien

<400> 187

tcgttagggt	ctctatccac	tcgacggtaa	aatccaatcc	tgtgtatata	ttatagtctt	60
ccatattgta	tgtttcaaga	gaatgcagtt	ccagaaagac	tagccgagcc	cattccatgtc	120
ttccacttaa	ccttgctttg	ggttacacat	cttaactttt	ctgttcaagt	ctctctgtgt	180
agttttatgc	atcagttatt	ggawaatgoc	ctgaaacctg	acatgagatc	tgggaaacac	240
aaaacttactc	aataagaatt	tctcccatac	tttatgatg	gaaaaatttc	acatgcacag	300
aggagtggat	agagaccta	aaga				360

<210> 188

<211> 178

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 188

ggcgggggat	tcgggtgat	acctcctcat	gcacaaatac	aaagtntaat	ttcacaaactt	60
gccttcacat	ttacgcattt	tcattttgot	ctcccccattt	gttgagtcac	aacaaacacc	120
attgcacaga	aacatgtatt	acctaacatg	cacataactct	taaaaactact	cattccctt	178

<210> 189

<211> 367

<212> DNA

<213> Homo sapien

<400> 189

tgcacaccttg	tcagacatct	gacacagctct	tggctcttgg	aaaatattgg	ataaatgaaa	60
atgaatttct	ttaggaagtg	gtataagctg	agaatatacg	tatcacatat	cctcattcta	120
agacacattc	agtgctccctg	aaattagaat	aggacttaca	ataagtgtgt	tcactttctc	180
aatagctgtt	attcaattga	tggtaggcct	taaaagtcac	agaaatgaga	gggcatgtga	240
aaaaaaagctc	aacatcactg	atcattagaa	aaattccatt	caaaccccca	atgagatacc	300
atctcataac	agtcagaatg	gctattatta	aaaagtcac	aaataacaga	tgctggacaa	360
ggtgtca						367

<210> 190

<211> 369

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1 ... (369)
 <223> n = A,T,C or G

<400> 190

gacacattat	ccaggcatctg	acaaagctaa	cagcctgagg	agatctttat	ttattttattt	60
agttttttact	ctggctaggc	agatggtggc	taaaacatto	atttaccat	ttatttcattt	120
aattgtttcct	gcaaggccca	tggatagagt	attgtccagc	actgctctgg	aagctaggag	180
catggggatg	aaacagatag	gtacatcct	gttcccacag	aactccact	ttagtctggg	240
aaacagatga	tatatacaaa	tatataaatg	aattcaggtg	gttttaagta	cgaaaagaat	300
aagaaaacag	agtcattgatt	tanaatgctg	gaaacagggg	ctattgcttg	agatattgaa	360
ggtgcccac						369

<210> 191

<211> 369

<212> DNA

<213> Homo sapien

<400> 191

tgacacattg	tcacagcatct	gcacagggaa	aagaaaactat	tatcagagtg	aacaggccaac	60
ctacagaatg	ggagaaaaatt	tttgcacatct	atccatctga	caaaggggta	atatccagaa	120
ctacacaaaga	acttatacaa	atttacaaga	aacaaacaaa	caaaccaactc	ctcaaaaaagt	180
gggtgaagga	tgtgaacaga	caattctcaca	aagaagacat	ttatggggcc	aacaaacata	240
tgaaaaaaag	ctcatcatca	ctggcacta	gataaatgca	aatcaaaaac	acaatgagat	300
accatctcat	tcaggttaga	atggcaatca	ttaaaaagtc	aggaaacaac	agatgctgga	360
caaggtgtc						369

<210> 192

<211> 449

<212> DNA

<213> Homo sapien

<400> 192

tgacgcttgg	ccacttgaca	cttcattctt	gcacagaaaa	acttctttac	agattcaatt	60
caagactcgt	ctagtgaacg	tcctccagac	atcttttcat	ttgttccata	taagtgggaat	120
tttaaaatca	tgtttcatca	gtttgaaatg	atctgggctg	ctaatacaaca	caattgggac	180
gaactgttca	ctaaacacaa	ggaaaatgtg	tatctgggag	ccgttgggaga	aacactaaac	240
attgatcttt	cttggccttt	taaggacttt	gttccagcta	catgtaatac	caagttctct	300
ttaagaggag	aaatgtgtga	tcttcatttg	cttctaccag	actgccaacc	tagtaaatat	360
tcctttattta	tgttggtaaa	aaattgccaat	ccaaataaga	tgattcatga	tactggtatt	420
ccgtctgaat	gttaagtggc	caaggctca				449

<210> 193

<211> 372

<212> DNA

<213> Homo sapien

<400> 193

tgacgcttgg	ccacttgaca	ccagggatgt	akcagttgaa	tataatcctg	caattgtaca	60
tattggccaat	ttccatcaca	acattctaga	aagagacaa	caggattgct	aggccataaa	120
agctgcaata	aataaactgg	aattgcagta	atcatttcag	gccaattcaa	tcaggtttgg	180
ctcagaggtg	cccttggtctg	agagaagagg	tgagatatata	tgtgtttttct	tgcaacttct	240

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tggaagaata actccacaat agtctgagga ctagatacaa acctatttgc cattaaagca 300
ccagagtctg tcaattccag tactgataag tgttggagat tagactccag tctgtccaagt 360
ggccaagggt ca 372

```

```

<210> 194
<211> 309
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

```

```

<400> 194
tgacgcttgg ccacttgaca cttatgtaga atccatctgt ggtgatgca agccctttat 60
ttaggcttag tcttctgggc accttcaata tcacactaga gacaaaagcc acaagatctg 120
cagaaacatt cactctctgan cactogaatg gcaggataac ttttctgtgt gtaactcttc 180
acatatacaa aaacaaaact tgcantctca cgttacaaaa aaacgtactg ctgtaaaaata 240
ttaagaaggc gtaaaaggata ccactctataa caaagtaact tacaactagt gtcaagtggc 300
caagcgtca 309

```

```

<210> 195
<211> 312
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

```

```

<400> 195
tgacgcttgg ccacttgaca cccaatctcg cacttccatc tcccagcacc tgatgaagta 60
ggactgcaac tatccccaat tcccagatga ggggaccaan gtacacatta ggaccgggat 120
gggagcacag atttctccga tcccagactc caagcactca ggtccactcc aggacagcgg 180
ctttcagata aggtcacaaa catgaatggc tccgacaaac ggagtcagtc cgtgctgagt 240
taaggcaatg gtwacaagga tgcacgtgtn acctgtaatg gttccatcgt agtgtccaagt 300
ggccaaggt ca 312

```

```

<210> 196
<211> 288
<212> DNA
<213> Homo sapien

```

```

<400> 196
tgtatcgaag tagtgggtct ctcagccatg cagaactgtg actcaattaa acctctttcc 60
tttatgaatt acccaatctc gggtagtgtc tttatagtag tctgagaatg gactaatata 120
agtacatttt acttagtaat aataataaac aaatatatta catttttgtg tatttactac 180
accatacttt ttactgttat tctagtgtac acctctactt tattaaaaga aataggcccg 240
aggcgggcac atccagaggt caggagatgg agaccactac gtccatag 288

```

```

<210> 197
<211> 289

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<110> DNA
 <113> Homo sapien

<400> 147

ttggggacact	tcaatatcat	gacaggtgat	gtgataacca	agaaggctac	taagtgatta	60
atgggttggg	aatgtataca	gagtaggtac	actggacaga	ggggttaattc	atagccaagg	120
caggagaagg	agaatggcaa	aacatttcac	cacactactc	aggatagcat	gcagttttaa	180
acctataagt	agtttatctt	tgggaatttc	cacttaatat	tttcagactg	caggtaacta	240
aactgtttaa	cacaagaaca	tagataaggg	jagaccacta	cgtcgatac		300

<110> 148

<111> 288

<113> DNA

<113> Homo sapien

<400> 148

gtatcgacgt	agtgtctctc	caagcagtg	gaagaaaacg	tgaaccaatt	aaaatgtatc	60
agatacccca	aagaaaaggc	cttgagttaa	gattcccaag	gggtccacaat	ctcagatctt	120
aaaatttcag	ctgtcacaag	gatttgcctc	gaggttgctc	tcaatgactt	caggcacagt	180
cggcaggaga	ttgaagccct	ggccattgtc	aagatgaagg	agcttttgtc	catgtatggc	240
aagaaagacc	ccaatgagcg	ggactcttgg	agaccactac	gtcgatac		300

<110> 149

<111> 1027

<113> DNA

<113> Homo sapien

<220>

<221> misc_feature

<222> (1)...(1027)

<223> n = A,T,C or G

<400> 149

gctttcttgg	aaaaacncaa	ntggggggaaa	gggggntttn	tngcaagggg	ataaaggggg	60
aancccaagg	tttcccccatt	cagggaggtg	taaaaagncg	gcccaggggat	tgtaanagga	120
ttcaataata	gggggaatgg	gcccngaagt	tgcagggttc	cngcccggca	tgnccggggg	180
atttagtqac	attacgaagc	tggtaataaa	gtgggsccaa	waaatatttg	tgatgtgatt	240
tttsgaocag	tgaaccccatt	gwacaggacc	tcatttccty	tggatgtgta	gccataatca	300
gataaaaagt	caaaagtytt	tctgcacgtt	aacagcatca	ttaaatggag	tggcatcacc	360
aatttcaccc	tttgttagcc	gataccttcc	ccttgaaggg	attcaattta	gtgaccaatc	420
gtcatacag	aggggatggc	atggggattg	atgatgatat	caggggtgat	accttcacag	480
gtgaaaagca	tatccctcttg	tctatactga	ataccacaag	tacccctttg	accatgttga	540
ctagcaaat	tgtctccaat	ctgtgtwata	cctaacagag	cgtacccctta	ttttacaaaa	600
tttatatcct	tcctgattga	gagttaccat	aacctgatcc	acaatggccg	tctcgtwgt	660
tctgagaaaa	gctctacagt	ctctcttggg	atagcgtcta	ttgggtctct	ccaattccatc	720
ttcatttttc	agccaagggtg	aactgtttttg	tctataataa	cmtcatctcc	tgatacmoga	780
aaccccggga	ctatccaaaac	cataatcctc	cagcgttctc	watgtymcta	aatccctatt	840
ggggccctct	ggaggtcaac	atatnggaaa	accccaccac	ccttnggagc	ntaccttgaa	900
ttttccatat	gtccctntaa	ttanctngnc	ttancttggc	cntaacctnt	tcgggttttaa	960
attgtttccg	cctccctttcc	cctccctttna	acgggaaaac	ttaatttttna	acnngggggt	1020
cctatct						1027

<110> 240

<211> 207

<212> DNA
 <213> Homo sapien

<400> 100
 agtgacattt ggcggctggc catcttgaat cctagggcat gaagttggcc caaagttcag 60
 cacttgggta agcctgctcc ctctggttta tcacaaagaa taggatggga taaagaaagt 120
 ggacacattt ataagctata aatttatatgg tcttggctta gcaggagaca actgcacagg 180
 tataactaca ggcctgtaat gtcacta 207

<210> 101
 <211> 109
 <212> DNA
 <213> Homo sapien

<400> 101
 tgggcaattt caatatctat taaaagcaca aatactgaag aacacaccaa gactatcaat 60
 gaggtttcaat ctggagtcct cgatatatca ggaaaaaatg aagtgaacat tcacagaggt 120
 ttactttttt gggaaactca atgctagaaa agaaaagggt gccctcttct tctggcttcc 180
 tggctctatc cagcgtcgta atgtcacta 209

<210> 102
 <211> 349
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(349)
 <223> n = A,T,C or G

<400> 102
 ntacgtgca aacactgtgga gccactgggt ttattctccg gcaggtttat cagcaaacag 60
 tcaactgaac caccgaagac cgtggtatgg taacctgtca cagtaatcgt tcacgtcgtc 120
 tgcgggaacc caacpagcgt cactgggtac agaacagatt cagccgggaag agaaagcgcc 180
 gcagggaqar aatcgaactc cactccgctg gtgagcagcc ccattgtttc aactcgaagt 240
 tcaaacagca ttgggttata taccatcagc tgaacttca acacatctcc ttgaacccac 300
 tggaaatcta ttctctgtt ccgtctctct ccacagtgtt gcagcgtaa 349

<210> 103
 <211> 141
 <212> DNA
 <213> Homo sapien

<400> 103
 tgcctctctt gctttaccaa cccaaaagccc actgtgaaat atgaagtga tgcacaaatt 60
 cagttctcaa cgaatatatg tatagtttat ctgattcttt tgatctccag gacactttaa 120
 acaactgcta ccaaccacac caacctaggg atttaggatt cccacagac cagaaattat 180
 ttctctctta agtttcaggc tctctggga ctctgttca tcaatgggtg gtaaatggct 240
 a 241

<210> 104
 <211> 148
 <212> DNA
 <213> Homo sapien

<400> 204

tagccattta	ccacccatct	gcacacccswg	acmwwcargr	cywgwackya	ggcgatttga	60
agtactggha	atgctctgat	catgttagtt	acataagtgt	ggtcagttta	caaaaaattca	120
cagaactaaa	cactcaatgc	tatgtgttca	tgtctgtgtt	tatgtgtgtg	taatgtttca	180
attaagtttt	tttaaaaaaa	agagatgatt	tcacaaataag	aaagccgtgt	tggttaaggca	240
agaggaga						246

<210> 205

<211> 505

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(505)

<223> n = A,T,C or G

<400> 205

taagctgcaa	caatgtggag	ccattcatac	aggtoocata	ttaagggaaca	agtgattatg	60
ctacctttgc	acagtttaggg	tacccggggc	gttaaacatg	tgtcactggg	caggcgggtg	120
ctctaatact	ggtgatgcta	gaggtgatgt	ttttggtaaa	caggcggggg	aagatttgcc	180
gagttccctt	tacttttttt	aaccttttct	tatgagcatg	ccgtgtgttg	gttgacagtg	240
ggggtaataa	tgactgtttg	gttgattgta	gatattgggc	tgtaatttgt	cagttcagtg	300
ttctaacttg	acgcaggctt	atggggagga	gaatgttttc	atgttaacta	tactaacatt	360
agttcttcta	tagggtgata	gattgggtca	attgggtgtg	aggagttcag	ttatatgttt	420
gggatttttt	aggtagtggg	tyttganctt	gaacgttttc	ttaattggtg	gctgttttta	480
ngcctaacta	gggtggtaaa	tggt				505

<210> 206

<211> 174

<212> DNA

<213> Homo sapien

<400> 206

tagacttact	catctccctt	accaaagccc	atgtaaggag	ctgagttctt	aaagactgaa	60
gacagactat	tcctctggaga	aaaataaaaat	ggaaattgta	cttcaaaaaa	aaaaaaaatc	120
ggccgggcat	ggtagcacac	acctgtaatc	ccagctacta	ggggacatga	gtcagtcta	180

<210> 207

<211> 176

<212> DNA

<213> Homo sapien

<400> 207

agactgaact	atctccctta	ccccaccttc	tgtgtgtgtg	ccgtgttctt	aacaggtcac	60
agactggtaa	tgttcagttg	ccctgggggtt	ggggacctct	attatatggg	atacaaat	120
aggagttdga	attgacacga	ttagtgtact	gatgggatat	gggtggtaaa	tggtca	176

<210> 208

<211> 176

<212> DNA

<213> Homo sapien

<400> 108
 agactgactt atctccctta ttttaacaggg ttctctagtgc tgtgaaaaaa aaaaatgctg 60
 aacattgctt ataaattata ttgtaagaaa taactgtacaa tgactctatt gcctctgggt 120
 agctgttaag catgaaggat gccaaagaagt ttaaggaata tgggttggtta atggctaggg 180
 gacatgagtc axtcta 196

<210> 209
 <211> 345
 <212> DNA
 <213> Homo sapien

<210>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

<400> 109
 gacgtctggg caattgacac cttttatttt ttaaggatto ttaagtcatt tangtnactt 60
 tgtaagtctt tctctgtgccc ccataagaat gatagcttca aaaattatgc tggggtagca 120
 aagaagatcc ttctagcttt agaatgtgta ggtatagcca ggattcttgt gaggaggggt 180
 gatttagayc aaattttotta ttctccttgc ctcatctgta acatggggat aataatagaa 240
 ctggcttqac aaggttggaa ttagtattac atggtaaaata catgtaaaat gtttagaatg 300
 gtgccaagta tttaggaagt acttgggcat ggggtggtaaa tggct 345

<210> 110
 <211> 178
 <212> DNA
 <213> Homo sapien

<400> 210
 gacgtctggg caattgacac tagagttagg tttggccaac tttttctata aaggaccaga 60
 gagtaaatat ttaggctttt gtgggtctgt cagctctctt tgcaactact cagctctgpc 120
 attgtaacat agaaatcagc catagacagg acagaaatga atgggttggt aatggcta 178

<210> 111
 <211> 454
 <212> DNA
 <213> Homo sapien

<400> 111
 tgggcacctt catatctat ccagcgcac taaattcgct ttttcttga ttaaaaaatt 60
 caccacttgc tttttttgct catgtatacc aagtagcagt ggtgtgagga catgcttgtt 120
 tttgatttcc atctcagcac cgtataagag cagtgccttg gccattaatt tatcttcatt 180
 gttagacaga tagtgtagag tggatatccc ataactatct ggaatatttg gatcagtgcc 240
 atgttcacagc aaatttaag cacattcacc ttcctggcat tgtacggcct ttgtcagagc 300
 tgtcctcttt tttttgtcaa ggacattaag ttgacatcgt ctgtccagca cgagttttac 360
 taactctcaa tttccatttg cagaggccag atgtagagca gtctcttttt gcttgtccct 420
 cttgttcaca ttaagtgtcc tgagcataac ggaa 454

<210> 112
 <211> 337
 <212> DNA
 <213> Homo sapien

```

#400> 212
tcgggttatg cccccagaaa acctactgga gttacttatt aacatcaagg ctggaaccta      60
tttgccctag tctatatgga ttcattgagca catgggttatt actgatcgca ttgaaaaaat      120
tgatcaatg ggtttcttta tttatcgact gtgtcatgac aaggaaaactt accaaactgca      180
acgcagagaa actattaaaag gtattcagaa acgtgaagcc agcaattgtt tcgcaattcg      240
gcattttgaa aacaaatttg ccgtggaaaac ttttaattgtt tcttgaacag tcaagaaaaaa      300
cattattgag gaaaattaat atcacagcat aacggaa

```

```

#210> 213
#211> 715
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1)...(715)
#223> n = A,T,C or G

```

```

#400> 213
tcgggttatg cctctcagg catcttccat ccctctcttc aagattagct gtcccacatg      60
tttttctctc tcttctttac tgataaatctt ggaactcttc ttgacactga tgacagcttc      120
agtatctctc ttgtcacctt gcagacttta aacataaaaa tactcattgg ttttaaaagg      180
aaaaaaagta acattagcac tattaagctt ggcttgaaa cttttctctat cttttattaa      240
atgtcgggta gctgaacaga attcatttta caatgcagag tgagaaaaaga agggagctat      300
atgcatttga gaatgcgaagc attgtcaaat aaacatttta aatgctttct taaagtgcgc      360
acatacagaa atacattaaag atattagaaa gtgtcttttc ttgtgtacta ctaattaggg      420
aagcaccttg tatagttcct cttctaaaaa tgaagttagat tttaaaaacc catgtaatct      480
aattgagctc tcagttcaga ttttaggaga attttaacag ggattttggtt ttgtctaaat      540
tttgtcaact ttttaggta atctgtataa ttttataaat gtcaaaactgt atttagtcog      600
ttttcatgct gctatgaaaag aaatacccaan gacagggtta tttataaang gaaagangtt      660
aatttgactc ccagttcaca ggctgagga ngnatcccc gaaatcctta ttggg      715

```

```

#210> 214
#211> 345
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1)...(345)
#223> n = A,T,C or G

```

```

#400> 214
ggtaangngc atacttcggt gctccggcgc ccggagtcgg gggattcggg tgatgpcctc      60
ccaggccccc ttggggctgc ttttcccaaa tggcagctcc tctggacatg ccattccttc      120
cccaacccgc ctgattcttc atatgtttgg gtccctgttt tttctgggta tatttctga      180
ctgtgtgaca gctgccaactg tcttgcaaaag cctgcctttt taaatgcctc accattcctt      240
catttgcttc ttaaatatcg gaagtgaag tgcacactga ggccgggcac agtgggtcac      300
gcctgtaate ccagcacttt gggagcctga ggaggcatca ccgga

```

```

#210> 215
#211> 429
#212> DNA
#213> Homo sapien

```

```

#400> 215
gggtgatgctt cctcaggaga agctcaggga ggacagaaac ctcccggtga gcagaaggga      6
aaaagctcgt ttgatcttga ttctcagtao gaatacagac cgtgaaagcg gggcctcagc    12
atccttttga ctttttgggt tttaagcagg aggtgtcaga aaagttaaca cagggataac    18
tggcttctgg cggccaagcg ttcatagcga cgtcgtcttt tgatccttcg atgtcggctc    24
ttcctatcac tctgaagcag aattcaccaa ggttgggatt gttcaccacc taatagggaa    30
cgtgagctgg gtttagaccg tcgtgagaca ggttagcttt accctactga tgatgtgtcg    36
ttgcatgggt aatcctgtct agtacgagag gaacgcgagg ttccacacatt tgggtgtatgt    42
gcttgctt
424

```

```

#210> 216
#211> 593
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1)...(593)
#223> n = A,T,C or G

```

```

#400> 216
tgacacctat gtccngcctc tgttcacagt ttccacaaat agccagcctt tggccacctc      60
totgtcctga ggtatacaag tatatcagga ggtgtatacc ttctctcttc ttccccacca    120
aagagaaacat gcaggctctg gaagctgtct taggagcctt tgggctcaga atctcagagt    180
cttgggtacc ctggtgtgtg totggaagga gaaacattgg ctctggataa ggagtacagc    240
cggaggagng tcacajagcc ctccagctcaa gccctgttgc cttagtctaa aagcagcttt    300
ggatgaagaa gcaggttaag taacatacgt aagcgtacac aggtagaaaag tctcgggagt    360
cagaattgca cactgtgtag gagtagtacc tcaatcaatg agggcaaatc aactgaaaaga    420
agaagaacna ttaatgaatt gottangggg aaggatcaag gctatcatgg agatctctct    480
aggaagatta tttcttanaa ttatgaaaag antagggcag ggacagggcc agaagtanaa    540
ganaacattg cctatanccc ttgtcttga cccagatgct ggacaagggt tca
593

```

```

#210> 217
#211> 335
#212> DNA
#213> Homo sapien

```

```

#400> 217
tgacaccttg tcagcctct gaagtgaaga tgagcagctc agaggaggtg tctcggatct      60
cctgggtctg tgggtccctt ggcaatgaat tctctcttga agtggatgaa gactacatcc    120
aggacaaatt taattctact ggaactcaatg agcaggtccc tcaactatga caagctctag    180
acatgatctt ggacctggag cctgatgaag aactggaaga caacccccac cagagtgaac    240
tgattgagca ggcagccgag atgctttatg gattgatcca cgcctcgctac atccttacca    300
acgttgctat cctccagatg ctggacaagg tgtca
335

```

```

#210> 218
#211> 243
#212> DNA
#213> Homo sapien

```

```

#400> 218
taogtaactgg tottgaagggt cttaggtaga gaaaaaatgt gaatatttaa tcaaaagacta      60
tgtatgaaat gggactgtaa gtacagaggg aagggtggcc cttatcgcca gaagtttgta    120

```



```

gatgggtccc cgtcatgaaa tgttgtgtca ctggccgaca tttggcgaat tactgaaatt 180
ccgtagaatt agtgcgaatt ctaaagttgt tcattataaga ttatgggttc atgtttctag 240
tactttta

```

```

<210> 119
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

```

```

<400> 119
tgaagcttgg ccaacttgaca caagtagggg ataaggacaa agaccatna ggtgggctgt 60
cagccttttg ttaactgttg ttccctgtca ccaaggcccc ctctgtaggg gtgtgtgtgt 120
ctctgtggag atgggtgcac ttccacacac accattctct ctctgttca cagcagtctt 180
gaggcgggag cacacaggac taactgtgtca gatgangata atgatgtctg gccaaactcac 240
cccccaactt tctcaactagt tatangaaga gccangccta naaccttcta tcttgncccc 300
ttgcccctatg aactcatccc tgttccatgc cctattctga tttctgggtg aacttggagc 360
agcctggttt ntactcttca ctccagcctc tctccatacc atgggtanggg ggtgtgtgtt 420
caacaaaang gtcaggtgtg tctggggaat cctnananct gccnggagtt tccnangcat 480
tcttaaaaaa cttcttgcct aatcanatng tgtccagtgg ccaacntcn 530

```

```

<210> 220
<211> 531
<212> DNA
<213> Homo sapien

```

```

<400> 220
tgaagcttgg ccaacttgaca ctaaaatagca tctttctaaag gcttgattca gagttgttga 60
aaattctccc aatgtccaggg atgttcaggga acagggtctg tctgtgtctc aactttactgt 120
ctgtgtttct gctggaaaag gagggaagag gaatggctga tctttacctt atgtctccca 180
gtttttctca ttcttcttgg atcctctctt ctgacaaactg tcccttttct gtcttctctt 240
tcttgcctca agagcaggtc tctttaaaaa cgagaaggga gaatgagcaa atgattaaag 300
aaaacacact tctgaggccc agagatcaaa tattaggtta atactaaaac gcttgcctgc 360
tgttggtact ttctctctct tccacatgct ctatcctctt atccccccc tattcatatg 420
gcttttatct gccaaagttat ccggcctctc atcaaccttc tcccttagcc tactggggga 480
tatccatctg gatctgtctc tgggtgtattg gtgtcaagtg gccaaagctc a 531

```

```

<210> 331
<211> 530
<212> DNA
<213> Homo sapien

```

```

<400> 331
attgaagctt ggcacacttg caccggcctg cctgcaatac tgggggaagg gcttccactg 60
ctttctctgc accagctgct actgcacaca gagatcagaa atgctaccaa ccaagactgt 120
tggctctcag cctctctgag gagaaaagag agaagcctgg aagtacgaag agaagctaga 180
tcggctacgg ccttgggcagc cagcttcccc aactgtggca ataaagtctg gcattggctta 240
acaatggggg caactcttga gaaaacacatt gttaggcaat ccggcgtgtg ttcctcagag 300
catatttaca caaaccttga tagtgcagcc tactatccac cattgtctct acgctgcaaa 360
cctgaacagc atgggactgt actgaatact ggaagcagct ggtgatggtt cttattttgt 420

```

```

tatctaaaca cacagaaggt acagtaagaa tatggtatca taaaattaca gggacccgca 480
tcttatatgc agtctgttgt gacaaaaatg tgtcaagtgg ccaagcgtca 520

```

```

#210> 212
#211> 518
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1) ... (578)
#223> n = A,T,C or G

```

```

#400> 122
tgtatcgacg tagtgggtct cgggctacta ggcggttggt tcttggtagt aactgggttca 60
ctgaaaagtg catctccctc ccgcggtcgc cctgaagcag ggggaggact tgcgccagcc 120
aaggcagttg tatgagtttt agctggcgca ctctgagacc tctgagccca cctccttcag 180
gagccttcgc cagtttaagg agccagggtg aggattcctt cctcccccag acacccagaa 240
caaaccccca ccccccctat tctggcagcc catatacacc agaacgaaac aaaaataaca 300
aataaacnaa aacccaaaaa aaaagagaag gggaaatgta tatgtctgtc catcctgttg 360
ctttagccct ccagctccta nagggcaggg aactgtgtct ccgaatggtc tctgcagcgc 420
cgactgcggg aactatcgga ggaggaagca gactcagcag aagttgaacg gtgggcccgg 480
cggctcttgg gggctgggtg tctaacttga gacgctttc gctttctgtc cttagattac 540
gtctgctcct tggagtggga naacactaen tcnatata 578

```

```

#210> 123
#211> 578
#212> DNA
#213> Homo sapien

```

```

#400> 123
tgtatcgacg tagtgggtct ctcttgcaaa ggactgggtg gtgaatgggt cccctgaatt 60
atggacttac cttaaacata tcttatcacc attaccagtc gcaaaatatt agaattgtgt 120
gtcactgttt catctgattc ctagaagggt agtcttagat atgttacttc aacctgtatg 180
ctgtagtgct ctgaatgcac tttttgtttg cttttttgtt tgcaccaact gtcgaattata 240
gtctgcttagg tctggactgt cctggataaa gctgttaaaa tattcaccag tccagccacc 300
ttacaagtta attaaagtcac ctaaatgctt ccttggtttg ccagacttgt catgtcaacc 360
ctcaatttct ggggttcatt tgggtgcctt aaatcttagg gtgtgaactt cttagccatc 420
tgtaacatcc attcccaagc aagcacaact ccacataata cttccagaa gttcattgtt 480
gaagcccttc ctccaccacg cggagcaact tgattttcta caacttcctt catcagagcc 540
acaagagtat gggatatgga gaccactaen tcnatata 578

```

```

#210> 124
#211> 345
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1) ... (345)
#223> n = A,T,C or G

```

```

#400> 124
tgtatcgacg tantgggtct ccaaggtgct gggattgcag gcatgagcca ccactcccag 60

```

gtggatcttt	ttcttttatac	ttacttccatt	agggtttctgt	tattcaagaa	gtgtagtggg	120
aaaagtcttt	tcaatctaca	tggttaaata	atgatagcct	gggaaataaa	tagaaatttt	180
ttcttttcac	tttaggttga	ataaagaaa	agaaaaata	gaacataactg	aaaataactt	240
aagttccaa	catagaagaa	ctgcagaaga	aatgaagaaa	gtgatgatga	tttagatttt	300
gatattgatt	tagaagacac	aggaggagac	cactacgtcg	ataca		345

<210> 225

<211> 347

<212> DNA

<213> Homo sapien

<400> 225

tgtatcgacg	tagtgggtctc	caaacctgagg	tatgtgtgac	actagcacac	aaagccttcc	60
aacagggaacg	caggcacagg	cagttttaaag	ggaatctgtt	cttaaatata	tttccacctt	120
ctctaaghat	ctctctctaa	aactgatcaa	ggtgtgaagc	ctgtgctctt	ttccaaacct	180
cttttgacaa	cagccttcaa	ctaaccacaag	aaaaggcatg	cttgacactc	ttcctgagtc	240
tgaactctgt	acttggctct	gatgtctaaa	gagctccaga	acaccaaagg	gacaattccag	300
aatgctggtg	tataacagac	tccaatggag	accactacgt	cgataca		347

<210> 226

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 226

aggngngpda	ntgtatcgac	gtagtgggtct	cccaacagtc	tgtcattccag	cttgcagggtg	60
tcagtgtttt	gcacaatgag	gcacccattgt	caattattga	ctccctcagct	ctaaatgctg	120
aaattaaatc	tttccatgac	aagtctggaa	ttcctgatga	ggttttacaa	agtattcttg	180
atcaatactc	caacaaatca	gaaagccaga	aagaggatcc	tttcaatatt	gcagaaccac	240
gagtggattt	acacacctca	ggagaccact	acgtcgatag	a		281

<210> 227

<211> 3646

<212> DNA

<213> Homo sapien

<400> 227

gggaaacact	ctctccacagc	cttgtaagggt	ttggagccct	ctccagtata	tgtctgcagaa	60
tttctctctc	gggtttctcag	aggatttatgg	agtcggcctt	aaaaaaaggca	agctctggac	120
actctgcaaa	gtagaatggc	caaagtttgg	agttgagtgg	ccctctgaag	ggtcactgaa	180
cttcacaaat	gttcaagctg	tgtggcggggt	tgttactgaa	actcccgggc	ttcctgatca	240
gttccctctc	atgatcaat	ggctgagttt	ggtcaggagc	accccttcgg	tggctccact	300
catgcacccat	tctaaatttt	acctccaaagg	ttctctctgag	ccagaccgtg	ttttcgcttc	360
gacccctcagc	cgcttcgggt	cgcctctgtac	tgcctctctc	tgaagaagag	gagagtctcc	420
ctcaccacagt	ccacacggct	taaaaccagc	ctactccctt	agggtcctcc	catgtctctt	480
cggctatgtc	ccctgtaggg	ctatccacca	ttgcctcttg	gttgcacccg	tggtgggagg	540
aagtagcccc	tctactacca	ctgagagagg	cacaagtcct	cttgggtgat	gagtgtctca	600
cccccttctt	ggtttatgtc	ctctctttct	actcttgact	tgtataattg	gaaaaccat	660
aattctccct	ttcttgaaaa	gcctccaggct	ttgaactcac	tgatggagtc	tgtactctgg	720

acacattggg	ccacotggga	tgaactgtcaa	cagctcctttt	tgaacctttt	caactctgaa	730
gagagggaag	gtatccaaag	agayggccaaa	aagtacaacc	tcacatcaac	caatagggog	740
gaggagggaag	ctagagggaat	agtgaattaga	gacccaattg	ggacctaatt	gggacccaaa	750
ttctctcaagt	ggaggggagaa	cttcttgacga	tttccacogg	catctcctcg	tgggtattca	760
gggagctgct	cagaaaacct	taaaacttgtc	taaggcgact	gaagtctgac	aggggcatga	770
tgagtcaaca	ggagtgtttt	tagaycacct	ccaggaggct	tatcagattt	acaccccttt	780
tgacotggga	gccccggaaa	atagccatgc	totttaatttg	gcatttctgg	ctcagggcagc	790
cccagatagt	aaaagggaac	tcacaaaaact	agagggattt	tgtctggaatg	aataaccagtc	800
agctttttaga	gatagccctaa	aaagttttttg	acagtcaaga	ggttgaaaaa	caaaaaacag	810
cagctcaggg	agctgaaaaa	agccactgat	aaagcatcct	ggagtatcag	agtttactgt	820
tagatccagg	tcatttgact	tcacctccca	catggtgttt	aaatccagct	acactacttc	830
ctgaactcaaa	ctccactatt	ctgttctcatg	actgtccagga	actgttggaa	actactgaaa	840
ctggccgagc	tgatcttcaa	aatgtgcccc	taggaaagggt	ggatggccac	atgttcacag	850
acagtagcag	cttctctcag	aagggaactac	gaaaggccgg	tgcagctgtt	accatggaga	860
cagatgtggt	gtgggctcag	gcttccaccag	caaacacctc	agcacaaaaag	gctgaattga	870
tcgcccacac	tcaggctctc	cgatggggtc	aggtatctaa	cgttaacct	gacagcaggt	880
acgcctttgg	tactgtgcac	gtacgtggag	ccactctaca	ggagcgtggg	ctactcaact	890
cagcaggtgg	ctgtaatcca	ctgttaaagg	catcaaaagg	aaaaacaggc	tgttgccctg	900
ggtaaccaga	aagctgattc	agcagctcaa	gatgcagtgt	gaacttccag	caagcctcta	910
aacttgctgc	ccacagctct	ctttccacag	ccagatctgc	ctgacaatcc	cgcataactca	920
acagaagaag	aaaaactggc	tcagaactca	gagccaataa	aaatccaggaa	gggttggtgga	930
ttcttctctga	ctctagaatc	ttcatacccc	gaactcttgg	gaaaaacttta	atcagtcacc	940
tacagtctac	cacccattta	ggaggagcaa	agctacctca	gctcctccgg	agcctgttta	950
agatccccc	ttttcaaaag	ctaacagatc	aagcagctct	ccggtgcaca	acctggcgcc	960
aggtaaatgc	caaaaaagggt	cttaaaaccca	gcccaggcca	ccgtctccaa	gaaaaactcac	970
caggagaaaa	gtgggaaact	gaactttacag	aagtaaaaac	acacccgggt	gggtacaaat	980
accttctagt	actggtagac	accttctctg	gatggactga	agcatttgc	acccaaaaacg	990
aaactgtcaa	tatggtagtt	aagttttctac	tcacatgaaat	catccctcga	catgggctgc	1000
ctgtttggca	tagggtctga	taatggagcc	gccttgcctc	tgtctatagt	ttagtcagtc	1010
agtaagggtg	taaacattca	atgggaagctc	catttgcctc	atcgacccca	gagctctggg	1020
caagtagaag	gcctgaactg	caccccaaaa	acacactctta	caaaattta	cttagaiaac	1030
ggtgtaaatt	gtgttaagtct	cttctcttta	gcctcaactta	gagtaagggtg	caaccccttac	1040
tggtctgggt	ctttaacttt	tgaatctatg	tatgggaggg	tgtctcctat	cttgccctaa	1050
ctaagagatg	cccaattggc	aaaaatatca	caaacctaatt	tattacagta	cttacagttc	1060
ccccaacagg	tacaagatat	catcctggca	cttggttcag	gaacccatcc	caatccaatt	1070
cttgaacaga	cagggtccctg	ccattccattc	ccgcacaggtg	acctgttctt	tgttaaaaaag	1080
ttccagagag	aaggactccc	tcctgcttgg	aagagaactc	acacccgtcat	caagatgcac	1090
acggctctga	aggtggatgg	cattcctcgg	tggattcctc	actcccgcat	caaaaaaggcc	1100
aacagagccc	aactagaaac	atgggtcccc	agggctgggt	caggccctct	aaaaactgcac	1110
ctaagttggg	tgaagccatt	agattaatte	ctttctctaa	ttttgtaaaa	caatgcatag	1120
cttctgtcaa	acttatgtat	cttaagaactc	aatataaccc	cttctgtata	actgagggaat	1130
caatgatttg	attcccccaa	aaacacaaagt	ggggaatgta	gtgtcccaac	tgggtttttac	1140
taacccctgtt	tttagactct	cccttctctc	taatcactca	gcttctttcc	acctgaattg	1150
actctccctt	agctaaagag	gpcagatgga	ctccatcttg	gctctttcac	tggcagccgc	1160
ttctccagg	acttaacttg	tgcgaagctga	ctccacgac	atccaaagaat	gcaatttaact	1170
gataagatac	tgtggcaagc	tatatccgca	gttccacagga	attcgtccaa	ttgatccacag	1180
ccccctctacc	cttcagcaac	caaccaacctg	atcagtcagc	agccatccagc	acccaggccaa	1190
ggccctccac	cagcaaaaaag	attctgaactc	actgaagact	tggatgatca	ttagtatttt	1200
tagcagtaaa	gttttttttt	ctttttcttt	ctttttttct	ctgtgac		3648

<210> 228

<211> 419

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 223

taagagggtta	caagatctaa	gcacagccgt	caatgcagaa	cacagaacgt	agcctggtaa	60
gtgtgttaag	atggggaatt	tttggagtac	agagtaaggg	acctaacctt	agctgggggt	120
tggtgacggg	ccagatggg	ttacagaaga	aagtgtcctg	agatgagttt	ttagaagtga	180
ataaggatag	acacaagtga	ggaotgaatt	ggcagtggtg	aatgggtggg	ggcaaaaaac	240
ctgcacgtta	tggaactgc	acgtacagga	atgaagaatg	agactgtgtg	gtgtttaatg	300
agctgcacat	actaatctta	ctctgaaagt	tttgaagagt	taactaaaaa	gtatttttta	360
gtaaggaaat	aacctacat	ctcagggtta	ttgtttgttt	anattattgaa	ggtgcocaa	419

<210> 229
 <211> 143
 <212> DNA
 <213> Homo sapien

<400> 229

aagagggtac	ctgtatgtag	ccatgggtgg	aatgagagac	tgattactac	ctgtgggaga	60
ttgttttaagt	gagttaatat	attaaggata	aagggagocaa	ggttttttga	ctgtgggaga	120
aggaaattac	agatattgaa	ggtococaa				143

<210> 230
 <211> 257
 <212> DNA
 <213> Homo sapien

<400> 230

taagagggtta	caaaaaaaaa	aaaatagaac	gaatgagtaa	gacctactat	ttgatagtao	60
aacagggtga	ctatagtoaa	tgataaactta	attatacatt	taacatagag	tgtaattgga	120
ctgtttttaa	ctcgaaggat	aaatgottga	gaggatggat	acccattctt	ccatgatgta	180
cttatttcac	attacatgoc	tgtatcaaaag	catctcatat	acctataaaa	tatgtacacc	240
tactatgtac	ctctotta					257

<210> 231
 <211> 160
 <212> DNA
 <213> Homo sapien

<400> 231

taagagggtta	cggttatttg	ctgatgggat	ttttttttct	ttttttttct	ctggaaaaaa	60
aaatgaaagg	caaaacaaaa	ttattgaaca	aaagacaggg	actaaatctg	gagaaatgaa	120
gtcccccacg	ctgaactgoc	tttcattcta	ctgacctctc	cagttctaggt	taggagaata	180
gggggtggag	gggattaato	tgatacaggt	atatttaaag	caactctgca	tgtgtgocag	240
aagtccatga	tacccctotta					260

<210> 232
 <211> 506
 <212> DNA
 <213> Homo sapien

#220<
 #221< misc_feature
 #222< (1)..(596)
 #223< n = A,T,C or G

#400< 232

tggtcccttt	gccttaccaa	ccacaaaatta	gaaccataat	gagatgtcac	ctcatacctg	60
gtgggaataa	cattatctta	aaaatcagaa	gtattgacaa	ggatgtgaag	aaattagaac	120
atctgtgcac	tgttgggtggg	aatgtaaaaa	aggtgtggcc	actatgggta	acagcatgaa	180
ggttccctaa	aaaaaatttt	tttaattcta	ctctatgac	gatcttgagg	ttgtttatgc	240
aaaagaaatg	aaatcaggat	tttgaggaaa	tattcacatt	cccacatcca	ttcttgcttt	300
attcataata	ctcaagagat	ggaacacaaa	taaatgtcca	ccccgggatg	aatggataaa	360
cacagtgtgg	tatattgcata	caatgggaata	ttatttagtc	tttaaaaaaga	aaaattctat	420
catatactac	aaattanatn	aaccttgagg	acacaatgct	nagtgaataa	agccacggaa	480
ggaagaatac	tcattatttc	cttatatgca	agtatctaaa	gtggtcaaac	cttanagca	540
naaagttaaa	atgggtggtt	gcaanacagt	tggttaggon	agaaganaaa	cttant	596

#110< 233

#111< 96

#112< DNA

#113< Homo sapien

#400< 233

tcttctgaag	acctttccgg	actcttaagg	tcttgggttg	taaggcaaga	ggagcgttgg	60
taaggcaaga	ggagcgttgg	taaggcaaga	ggagca			96

#110< 234

#111< 313

#112< DNA

#113< Homo sapien

#400< 234

tgtaagtcga	gcagtggtgat	gataaaaactt	gaatggatca	atagttgctt	cttatggatg	60
agcaaaagaa	gtagttctctt	gtgatggaat	ctgctcttgg	caaaaaatgct	gtgaaagtgg	120
ttgaaaagac	aaacaaagagt	ttagagttagt	acataaaattt	agaatagtac	ataaaacttag	180
aatagtagat	aaaacttagta	cataaataat	gcacgaagca	ggggcagggc	tttagagaaat	240
tgaactcaat	ttggaaaagag	tatctactgt	aggttagatg	ctctcaaaac	gcacacacact	300
gctcgactta	caa					313

#110< 235

#111< 550

#112< DNA

#113< Homo sapien

#400< 245

aaagaggaca	gatccttaaa	aagaatggtg	agtgaaaaaa	gtagaaaata	agataatctc	60
caaaagtcac	tacattattt	taaacatttt	taaaaaatac	actgataaaa	atttctgaca	120
tttcccaaaa	atcacatagg	aagcacagca	gcattgaatgc	ctatgggrtt	gaggataggg	180
gttggggagt	gggatgggga	taaaggggga	aaataaaaac	agagaggagt	cttacacatt	240
tcattgaacc	aggagtataa	ttatttcaac	tatttctaac	wgaagtccag	aaagagtggg	300
ggcagaaggg	ggagaagagg	gcgaagaaac	gtttttggga	gaggggtccc	asaagajaga	360
ttttcgggat	gtggcgctac	atacgttttt	ccaggatgac	cttaagctctg	caacctatct	420
ttctcaccac	taataattaga	ctaaacccct	tgaagacaga	gtctgtgggt	ctcttaactc	480
agctttccct	ccgtgtcttg	cacacagttag	ctgtttttaca	agggttgaac	tgaactgaagt	540

gagattatttc

550

<110> 236

<111> 325

<112> DNA

<113> Homo sapien

<400> 136

tagactgact	catgtccct	accagagtag	ctagaattaa	tagcacaagg	ctctacaccc	60
aggaactcac	tattgaatac	ataaatggaa	tttattcagc	cttaaaaaagt	ttggaaggaa	120
attctgacat	atgctaaaaa	atggatgaac	cttgaagact	ttatgataag	taaaagaagg	180
cagtcacaaa	aggaaaaata	ttgcattgatt	ccacttatat	gaggtaacct	gagtagtcaa	240
tttcatagaa	acacaaaaata	gaatgggtgt	tgcacggggt	tttgaggaaa	aggggaatgac	300
aagttagggg	acatgagtca	gtcta				315

<110> 237

<111> 373

<112> DNA

<113> Homo sapien

<200>

<201> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 137

tagactgact	catgtccct	atctactcaa	cattttccact	tgaagtctga	taggcattctc	60
agaattatct	tytcccaaa	caaatctttt	atctcttttc	atcttagtct	ttattttctg	120
tgctgtctta	ccatctctca	aagagtgcac	aaatccacca	agttgtctgaa	acagaaatct	180
aagaaatata	cttgattctt	ctttttccca	tctactccac	ttctaattca	ttagtaaatca	240
atctgtttta	gaaaaacaaa	cacctcatgt	tctactccat	aagggggagt	tgaacaaatga	300
gaacacacag	acacagggag	gggaacatca	cacaccaagg	cccgtcaggg	agtanggggac	360
atgagtcant	cta					373

<110> 238

<111> 492

<112> DNA

<113> Homo sapien

<200>

<201> misc_feature

<222> (1)...(492)

<223> n = A,T,C or G

<400> 238

tagactgact	catgtccct	ataatgctcc	caggcatcag	aaagcatctc	aaaactggagc	60
tgacacacag	gcagagggtt	caggtaagtc	acaaaagggg	tcctaaagaa	tttgccctca	120
atatacagag	gattagaaga	agtggacaga	gtaccccaag	ttaaacatat	gcagagataaa	180
aaaaatatgg	cacttgtgaa	cacacactac	aggaggaaaa	taagggaacat	aatagcatat	240
tgtgtctatta	tgatgatgaa	gaacctctct	anaagaaaaa	ataacccaaag	aaacaaagaa	300
aattctctgn	aatgtttta	gctatagaag	aaattaacaa	aaacatatat	tcaatgaatt	360
cagaaaaagt	agcaggtcan	aagaaaaaaa	atcaaaagac	agaataatcc	cattttagat	420
tgtcagagtaa	actanaacag	aaagaataac	actggaaaatt	gaattccctac	gtanggggaca	480
tgantcantic	ta					492

<210> 339
 <211> 482
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 339
 tggaaaatat ttaatgatgg gcaacttggc gtttaacttcc tacatatccc atcatcttct 60
 gtattttttt aaataaacttt cttttggatt tttaaagtaa ctttattctg agaggtaaca 120
 tggattacat acttctaaggc cattaggaga ctctatgtta aaccaaaagg aaatgttact 180
 agatcttcac ttgatcaata ggatgtgata atcatcatct ttctgtctta atggaaaagt 240
 actanaaaca tggaaaccata atotttagatg aacaacgtta gaatttgcac taattctacg 300
 gaatttccgt aatttgggcaa atgttggggc gtgacacaa atttcatgac ggggaagcat 360
 ctaccaactt ctggcgataa gggaacccct tccctctgta cttacagtc ctttccatac 420
 acagtccttg atkaaatatt cacatttttt ctctacctaa agaccttcaa gaccagtaag 480
 ta 482

<210> 340
 <211> 519
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

<400> 340
 tgtatcgagc taatggcttc cccatgtgat agtctgaaat atagcctcat gggatgagag 60
 gctgtgcacc aacccgacac ccgtaaaagg tctgtgctga ggtggattag taaaagagga 120
 aagcccttca gttagatag aggaagggca ctgtctcttg cctgcacctg ggaactgaat 180
 gtctcggtat aaaaaccgat tgtacatttg ttcaattctg agataggaga aaaaaccacc 240
 tatggcgyaa gctgagacat gttggcagca atgctgcctt gttatgcttt actccacaga 300
 tgtttgctcg gacgggaaac taaatctggc ctacgtgcac atccaggcat agtaactccc 360
 tttgaactca attatgacac agattccttt gctcacatgt ttttttgcct accctctctt 420
 tattatcacc ctctctctct accgcattcc ttgtgtgag ataataaaaa taatatcaat 480
 aaaaacttca nqaaactcg agaccactac gtcgatada 519

<210> 341
 <211> 571
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(771)
 <223> n = A,T,C or G

<400> 241

tgtatogagc	tagtgggtctc	cactcccgcc	ttgacggggc	tgtatatctg	cttccaggcc	60
actgtcacgg	cccccgggta	gaagtcactt	atgagacaca	ccagtgtggc	cttggttggc	120
tgaagctcct	cagaggaggc	tgggaacaga	gtgacggagg	gggcagccct	gggttgacct	180
aggacgggtc	gcttgggtccc	tcggccaaa	acgagagtgc	tgttgcttgc	atatgagctg	240
cagtaataat	carctctgtc	ctcagccctg	agcccagaga	tggtcaggga	ggccgtgttg	300
ccanaactgg	agccagagaa	ggattagaa	acccctgagg	ggcgattacc	gacctcataa	360
atcatgaact	tggtgggtctt	gcttgggtgc	tgttgggtacc	angagacatt	attataacca	420
ccaaagtcaa	tcttgggtccc	antgcaggga	aaatggttga	ttnaactgtc	caagaaaacc	480
actaagtcca	taccaatcca	ctaattgccc	ggcgcttgca	ggttcaacca	tattggggaa	540
naactccccc	cccggttttg	ggattgncat	naacctttga	aattttttcc	tattanttgt	600
ccccctaaaa	tataacnttg	ggcttaata	cattgggtcc	atancttntt	tncocgggtt	660
ttaaaanttg	tttatcccg	cncocnattt	cccccccaac	tttccaaaac	ccgaaaacnt	720
tnaaatttnt	tnaaacccctg	gggggttccc	nnaattnnan	ttnaanctnc	c	771

(210) 242

(211) 167

(212) DNA

(213) Homo sapien

(400) 242

tgggcacctt	caatatoggg	ctcatogata	acatcacgct	gctgatgctg	ctgttgctgg	60
tctctctag	gaacctctgg	attttcaaat	tctttgagga	attcatccaa	attatctggc	120
tctctctctt	tctctctctt	tctaaggtct	tctggtacaa	ggggtca		167

(210) 243

(211) 338

(212) DNA

(213) Homo sapien

(400) 243

ttgggcacct	tcaatatcta	ctgatctaaa	tagtgtgggt	cgaggccctc	tgttccctgg	60
taaaaaacct	tggccagagt	caatctccac	tttacaatag	aggtaaaaa	cttacaatgg	120
atattcttga	caaagctagc	atagagacag	caattttaca	caaggtattt	ttcactgtgt	180
taataacagt	gcttttctta	cacccatagg	gtgcccacaa	gggaggagtg	cacagttgca	240
gaaacacact	aaatatactg	agacaacact	acttaaccatt	tcccgctatg	ctaaccacca	300
gttcaactgt	aaatgtatgt	tcttatgggc	aatcaaga			338

(210) 244

(211) 246

(212) RNA

(213) Homo sapien

(400) 244

ttcttggctc	ccatcacaga	cactctcatg	ggaaatgtct	gttctaaggt	caacccataa	60
tgcataaac	atcaatatac	ttgaagatcc	ccgtgtgaag	tacaatgtat	ttaattattat	120
cactgataca	attgatccaa	taccagttct	agtctggcat	tgaatcaaat	cactgttttt	180
gttgataaaa	aagagaaaata	tttagcttat	atttaagta	catattgtaa	gaaaaaagat	240
gcttatcttt	aatgtctaaa	atcatgatct	gtacattggt	gcagtgaata	ttactgtaaa	300
agggaaagaa	gaatgaagac	gagctaagga	tattgaaggt	gcacaa		346

(210) 245

(211) 211

(212) DNA

(213) Homo sapien

<1220>
 <1221> misc_feature
 <1222> (1)...(521)
 <1223> n = A,T,C or G

<1400> 245
 accaatccca caggatact gagggacaag tatatcates catttccates ctacagcagc 60
 aaattccatga ggcaggagtt attagtccca ttttacagaa gaggaacctg agacttaggg 120
 agatcaagta atttgcccag gtgcacaaat tagtgataga gccaggggtt gaagcgaggt 180
 ctgtcttaag ccaatgaccc ctgcagatta tttagagcaac tggctctccac aacagtgtaa 240
 gctcttctct anaagctcag gtccacaagg gcagagatct tggctctgtt tgcctcattgc 300
 tccctcccca ttgcttagag cagggctctgc caggaancag gttctcattg catagtctatt 360
 aaatgtat at aagagcaaac atatgttaca gagaactttc tggatgcttg tcaattacat 420
 gaatcactg tctatgggt atgtctgttc cccantgttg cagatnaaga tattgaangt 480
 gcccaaatca ctanttggtg gcgcttgcan gtccancata t 521

<1210> 246
 <1211> 482
 <1212> DNA
 <1213> Homo sapien

<1220>
 <1221> misc_feature
 <1222> (1)...(482)
 <1223> n = A,T,C or G

<1400> 246
 tgggaacaaat ccaaatccca atcaatgata gaactggataa agaaaatttg gcacatgttc 60
 accatgaaat actatgcagc cataaaaaag gatgagttca tatccttttg agggacatgg 120
 atgaagctgg agacccatcat tctcagcaaa ctacaaaggg aacagaaaaa caaacactgc 180
 atgttcacac tcttaagctgg gagctgaaca atgagaacac atggacacag ggagggggaa 240
 atcacacact gacgctctgt ggtgggtagg ggtctagggg agggatagca ttaggagaaa 300
 tacctaattt aatagacggg ttgatgggtg cagcaaacca ccatgacacg tgtataccta 360
 tgtaacaaac ctacatgttc tgcacatgta cccagaaact caaagtgtta ataaaaaaat 420
 taagaaaaaa gthaagtatg tcatagatac ataaaatatt gtanatatg aaggtgcccc 480
 aa 482

<1210> 247
 <1211> 474
 <1212> DNA
 <1213> Homo sapien

<1220>
 <1221> misc_feature
 <1222> (1)...(474)
 <1223> n = A,T,C or G

<1400> 247
 ttogatadcg ggcacagagta agcagaaaaa tggctgtggt ttaaccaagt gactacagtt 60
 aagtgcagaga ggggcagaga agacaagggc atatgcaggg ggtgattata acaggtgggt 120
 gtgctgggaa gtgaggggtac tgggggatga ggaacagtga aaaagtggca aaaagtggta 180
 agatcagtgat atttgaacttc tccagaattt gattctctgn ggagtcaaat aactatccag 240
 tttggggtat catanggcac cagttgaggt ataggaggta gaagtccag tgggataatt 300

gagggttatga	anggttttgg	actgactggg	actgacaang	tctgggttat	gacctgggga	360
atgaatgact	gtanaagggt	anaggatgaa	actattccac	ganaaaaggg	tcnnaaaact	420
aaaaannnna	gnnnnngggg	aatattattt	atgtgggat	tgaangtgcc	caaa	474

<210> 148
 <211> 355
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G

ttcgatagac	gaaacatga	actgcaggag	ggtaggtgac	atcatgatgt	tgcgatggg	60
cggatgggc	acgaagagc	actggancac	gtgcttacgt	ccttttgctc	tgttgatggc	120
cctgagggga	cgcaggagcc	ttatgaccc	cagaatcttc	acaaagggag	atggcactgg	180
attgantccc	antgacacca	gagacacccc	aaacacagc	atctcantat	attgatgtag	240
ttcctgtaga	nggccccctt	gtggaggaaa	gtcccatnag	ttggctcatc	tcaacaggat	300
ctcaacaggt	tcgatgggt	gtgatgggca	tagtcatant	taacctgtg	tggaa	355

<210> 149
 <211> 434
 <212> DNA
 <213> Homo sapien

ttggattggg	cttcaggag	aaacaagggga	aaaaggtgac	cgaggggctcc	ctggaaactca	60
aggatctcca	gagcaaaaag	gggatggggg	aattcctggg	cctgctgggc	ccttaggtcc	120
acctggctcc	cgaggcttac	caggctctca	aggccaaaag	ggtaacaaaag	gctctactgg	180
acccgctggc	cagaaaaggtg	acagtgggtc	tcaggggcct	cctggggctc	caggctccac	240
tggtgaa-ntc	attcagcctc	taaccaatctt	gtcctccaaa	aaaacgagaa	gacatactga	300
aggcatgcac	gcagatgcag	atgataatat	tcttgattac	tcggatggaa	tggagaagaat	360
atctgggtcc	ctcaattccc	tgaacacaaga	cctcgagcat	atgaaatttc	caatgggtac	420
tcagacacac	ccaa					434

<210> 250
 <211> 430
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

ttgatttggt	acatgggcga	gacaggatcc	caaggcagtg	agaggaggat	acaatgcttc	60
tcactagtta	ttattattta	ttttattttt	gagatgaagt	ctcgctttgt	ctcccagggt	120
ggagagcggg	ggtgggatct	tggctctctg	caacccccgc	ctcaagcaat	tctcctgtct	180
tagcctcgcg	ggtagatgga	attacaggcg	cccacggcca	tgcaccaacta	atttttttgt	240
gtcttcagta	gagacagggt	ttcgccatgt	tgggcagggt	ggtcttgaa	tcctgacctc	300
nagtgatctg	cctcctcgg	cctcacaaaag	tgttggaatt	acaggcatgg	gctgctgcac	360

ccagtcacact tctcactagt tatggcotta tcatttttcac cacattctat tggcccaaaa 420
aaaaaaaaan 440

<210> 251
<211> 329
<212> DNA
<213> Homo sapien

<400> 251
tggtaactcca ccatyatggg gccaacogcc atcctcgccc tctcctcggc tgttctccaa 60
ggagtcctggc ccgaggtgga gctgctgcag tctggagcag aggtgaaaaa gtccgggggag 120
tctctgaaga tctcctgttaa gggttctgga tacaccttta agatctactg gatcgccctgg 180
gtcgcccaqt tccccgggaa aggcctggag tggatggggc tcctctttcc tgatgaactct 240
gataccaat acagcccgtc cttccaagga caggtcacca tctcagtcga taagtccatc 300
agcacccgct atctgcagtg gactaccaa 329

<210> 252
<211> 336
<212> DNA
<213> Homo sapien

<400> 252
tggtaactcca ctccagcccaa cottaattaa gaattaagag ggaacctatt actattctcc 60
caggtctcttc tctcttaaac aggcctctcg gacagtatta gaaaaggatg tctcaacaag 120
tatgtatctc ctctactggc ctaagaagtt aaactgagaa tagcataaat cagacccaaa 180
ttaatgctcc ctccagacttg tgcctcgga cagctgggat aggaaaaact ttgggcagca 240
agaggaaaga ctccctggga gggggcatca tjttaaaaaa tacaagggga accacaccca 300
ggccccccttc ccagctctca gcttagagta ttagcatttc tcagctagag actcacaact 360
tctctgctta gaatgtgcca ccggggggag tctctgtggg tgatgaggct ctcaagagtg 420
agagtggaat cctatctctt gtgtgcccac aggagcctgg ccagagactt agcaggtgaa 480
gtttctggtc caggtcttgc ccttgactca ctatgtgacc tctgggtggag taccaa 540

<210> 253
<211> 307
<212> DNA
<213> Homo sapien

<210>
<211> misc_feature
<212> (1)...(507)
<213> n = A,T,C or G

<400> 253
ntgttgcaat ccacgttaact cgggaagctg aggcggggagg atcaacctgag ctccaggaggt 60
tgaggcccca gctgagccggg accacggcac taactccag cctgggggat agagttagac 120
cctccaaatc aaaaaagaaa agaaaaggaa gaaaagggaa agggaaaagg aaaaggaaaa 180
ggaaaaaa aaaggaaaaga caagacaaaa caagaactga atttggaact cctgaactca 240
attttatctt ctctctacac cacaattcct ctgcttacta agatgataat tttagaaaacc 300
ctcgttccat tctttacagc aagctggaa gtttggtcaag taattacaat aatagtaaca 360
aatttgaaat tctatagcca ggtgtttttt attcctgctc tcaatttaatt ctcaaccactc 420
tgatataaat acaattgctg ccgggtgttg tggctcatgc ctgtaatccc ggcacttttg 480
gagaccaggt tggcgggats gcaacaa 507

<210> 254

>111> 122
 >112> DNA
 >113> Homo sapien

>120>
 >121> misc_feature
 >122> (1)...(222)
 >123> n = A,T,C or G

```
>400> 154
ttggatgggt cactgtgagg aagocaaaac ggatocagaga gtctttttct aaaggccagt    60
actggocaca cttttctctg ccgccttctt caaagetgaa gacacacaga gcaaggcgt    120
tgtgttttac tccccaatgg taactocaaa ccatagatgg ttagnetccc tgcctatctt    180
tccacatccc tcttatccag tatagtccgt ggacccaatc aa                222
```

>110> 155
 >111> 463
 >112> DNA
 >113> Homo sapien

```
>400> 155
tgttgccatc cataaatgct gaaatggaaa taaacaacat gatgagggag gattaagttg    60
gggaggggagc acattaaggt ggccatgaag tttgttggaa gaagtgaact ttgaacaagg    120
ccttggtggtt aagagctgat gagagtgtcc cagacagagg ggccactggt acaatagaac    180
agatgggaga gggcttggaa ggtgtgogaa ataggaagga gtttgttctg gtatgagtct    240
agtgaacaca gagggogagag ggcctgggtg gtgcagctgg agagttaatc agaataacat    300
taggcctctg gggggactgt agaactgtcag caataatcca cagtttggat tttattctaa    360
gagtgatggg aagccgtgga aaggggggta agcaaggagt gaaattatca gatttacagt    420
gataaaaata aattggctctg gctactgggg aaaaaaaaaa aaa                463
```

>110> 156
 >111> 162
 >112> DNA
 >113> Homo sapien

```
>400> 156
ttggattggt caactgtctc aactctacyt ttctctcttc ttcttaaaaa attaatgaat    60
ccaatacatt aatgcacaaa ccttgggggt ttatcaatat ttctgttaaa aagtattatc    120
cagaactgga cataatacta cataataata cataacaaac ccttcactct gatgcaacac    180
tctattaata taacttaaga tcactttcac ttacagaag caacatactg ttgatgttat    240
tttgatcttt gacccaatc aa                262
```

>110> 157
 >111> 461
 >112> DNA
 >113> Homo sapien

>120>
 >121> misc_feature
 >122> (1)...(461)
 >123> n = A,T,C or G

```
>400> 247
ngngnnnnnn nnccaattcg actcngttcc cntgggtancc ggtcgacatg gcccggggat    60
```

```

taccgcttctg nncctgggggt gtatggggga ctatgacccg ttgttagctgg ggggtgtatgg 120
gggactatga ccgcttctag mtggkgggtg atgggggact atgacccgtt gtgggggtgg 180
cggataaaac gacgcaaggg acgtgatcga agctgggttc ccgctctttc gcacgggtag 240
ggatcatqja cagcaatata cgcattcgyo tgaaggcgtt cgaccatcgc gtgctcgatc 300
aggcgacccg ccacatccgc gacacccgac gcggtagccg ccgctccatc ccgggtccga 360
tcccgcttcc cagcgccatc gagaagttca cggctcaacc tggcccgccac gtccacaaga 420
agtccgqnga gcaqcttcag gtgggtacct acaagcggtc a 480

```

```

#10> 258
#11> 332
#12> DNA
#13> Homo sapien

```

```

#200>
#21> misc_feature
#22> (1)...(332)
#23> n = A,T,C or G

```

```

#400> 258
cgacccgttg taqctggggg tgtatggggg actacgacgg cttgttagctg ggggtgtatg 60
ggggactatg accgcttgta gctgggggtg tatgggggac tatgacccgt tgttagctgg 120
ggtgtatcgg ggaactaggac cgtttgttagc tgggggtgtg tgggggacta cgacccgttg 180
tagctggggg tctatggggg actacgacgg cttgttagctg ggggtgtatg ggggactatg 240
accgcttgta nctgggggtg tatgggggac tatgacccgt tgtgtctgct gggggatggg 300
aggagacttg tggctgggga aaaaaaaaaa aa 332

```

```

#10> 259
#11> 291
#12> DNA
#13> Homo sapien

```

```

#200>
#21> misc_feature
#22> (1)...(291)
#23> n = A,T,C or G

```

```

#400> 259
taccgcttctg gacccgttctg gacccgttctg gacccgttctg gacccgttctg gacccgttctg 60
gacccgttctg gacccgttctg gacccgttctg gacccgttctg gacccgttctg gacccgttctg 120
gacccgttctg gacccgttctg naongggggt gtctggggga ctatgannga ntgtactgg 180
gggtgtctgg ggcttatgga nngantgtna cnggggggtg ctgggggact atganngact 240
gtgcnncctg ggggatonga ggagantngn ggntagngat ggttngggan a 291

```

```

#10> 260
#11> 278
#12> DNA
#13> Homo sapien

```

```

#400> 260
taagagggta ctggttaaaa tacaggaaat ctggggtaat gaggcagaga accaggatag 60
tttgaggtaa gggatgaaaa ctagaatttt ttctcttttt ttgtcctgag aaacttggct 120
ctctgaagag gcccatgtat taattgcttt gatcttccct ttcttacaga cctttcaagg 180
gcagagccct ccttatccgt aaggaattct atccttagct atagtatgta cctcttta 235

```

<210> 261
 <211> 746
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> 1... (746)
 <223> n = A,T,C or G

<400> 161
 ttgggcaccc tcaatccaa tagctaacat ttattgagt tttatcgtat cataaaacac 60
 tgtttctaagc ctttaaacgt actaatccat ttaatgctca taatcacttt agaaggtggg 120
 tactagtatt agtccattc acagatgcaa catgcaggca cagagaggtt aattaacttg 180
 cccaaggtta cccagctaac aaatagaaaa aatattgaat ctggaaaagt gggcttctgg 240
 gtaacccaca gactttcaa tgcgcctggg gcctcactca gtttgccttt acaaagcgaa 300
 tgagtaacat cacttaattc agtgagttag ccaaatggag gtcagctacg agtttctgct 360
 gttcttcacg tggactgaca gatgtttaca acgtctggcc atcagtwaat ggaactgatta 420
 tcattgggaw ggggtgggg tgaatgttgg ccagtggaagt ctattcawgc catattttta 480
 tgttttaggt gacttttggc tggctcctagg gcaagctctg cctgscacgg aacacagaat 540
 wacacagga cccctcact tctggctgtg gctagaacca tgaaccactg gttgggggaa 600
 caagcggtca aaacctaacg ggggcgggct ggcagggtcc acccatatgg ggaaaaactc 660
 cnaagcgttt ggaatgcctn agctngaatt attctaanag ttgtccnctt aaaattagcc 720
 tgggcgttaa tcangggctn naagcc 746

<210> 262
 <211> 588
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (588)
 <223> n = A,T,C or G

<400> 161
 tgaccgcttg tcaatccaa tggggctcctg cagccttttg cctttgtagg aaacctgaca 60
 cttgtctggt tctttcttct cttttccttc ccctatccct ctaatttaag tttgacttgt 120
 ttgctgagga ggcaggagct agagaactgt gtgagctcat aggggtggga agtttatcct 180
 tcaagtcccg ccactccatc actgcttctc acctccctct gaccaggctt acaagtgggt 240
 tcttgcttga ttctcctttg gacccaacaa gccctgttaa tgagtgtgca tgactctgac 300
 agctgtggac tcaaggctct tggctacaga tgcctgttaa aatctctcat ccagttctcg 360
 caaatttgta aaataaacac atttcttaga ttccagtacc caaatcatgt ctttaacgaac 420
 tgctcttgan acccagaagt ggcacaataa ttcttgggga attattactt tttttcttct 480
 ctctntttnc gnnngnnnng gnnngnccag gaattaccac nttggaagac ctggccngaa 540
 tttattatan agccgagccg attnttttct ctaacacaaa gggggtca 588

<210> 163
 <211> 710
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 263

tttttttttt	tttggcctga	gcaactgaaa	ttatgaaatt	tccatatact	caaaagagta	60
agaactgcaaa	aagattaaaat	gtaaaagtty	tottgtatac	agtaatgttt	aagataccta	120
ttanatttat	aaatggaaaa	ttagggcatt	tggatataca	agttgaaaat	tcaggagtga	180
ggttgggcty	gctgggtata	tactgaaaac	tgtcagtaca	cagatgacat	ctaaaaaccac	240
aaatctggtr	ctatttttagc	agtgatatgt	gtcactccca	caaaaagcctt	ccccattggc	300
ctcagcatac	acaacaagt	acctcccccac	agccctctac	acataaaacaa	attccttagt	360
ctagttcagx	aggaatggcg	cccttttctt	tcgctctag	gtgacggcaa	ggcccagttc	420
tcgtcaccaa	gatgttaagg	gaagtctgoc	aaagagggcat	ctgaaaggaa	ataagggggaa	480
tgggagtgcac	cacaaaaggaa	agccaaggan	aaaottttgga	gaccgtttct	aganccttgg	540
catttcacaa	caaaaactong	gaacaaaacct	tgtctcatca	atcatttaag	cccttcgtct	600
ggannagact	ttctgaaactg	ggcgctgaac	ataancctca	ttgaatgtct	tcacagttct	660
ccagctgaag	gcacacacctg	ggccagaagg	ggaattcttc	aggtcctcaa	nacagggtct	720
gcctttgnc						730

<210> 264

<211> 715

<212> DNA

<213> Homo sapien

<210>

<211> misc_feature

<212> (1)...(715)

<213> n = A,T,C or G

<400> 264

tttttttttt	tttggccagt	atgatagctc	ctaccactat	attggaagctc	ttaggtcatt	60
tacaccttaac	gtggttatag	atgctgttga	gcttaacttc	accaccttgc	tattctctcc	120
gtctctctct	tgttcccttt	ctctctcttt	ccctcccttat	tttataattg	aatttttttag	180
gattctattt	tatatagatt	tatcagctat	aacactttgt	attcttttct	tttgtggctc	240
ttctgtcact	tcaatgtgca	tcttaaaact	atcacactct	attttcaaat	aatatcatat	300
aaccttacat	ataatgttaag	aattataccac	catatatctc	catttctccc	ttccatccca	360
tgtntgtcat	attttttctt	ttatatatgt	tttaaagaca	taatagtata	tgggaggttt	420
ctgcttaaaa	tgtgatcaat	attccttcaa	ngaaaagtaa	aaattcaaaa	taaatntctg	480
cttattctca	aatnnaccta	atatttctca	ccatntctna	taentttcaa	gaatctgaag	540
gcattggatt	tttccggctt	aagaacctcc	tctaaagcac	tctaaagcaga	attaagtctt	600
ctgggagagc	aattctccca	agcttggggc	ctnanntgta	ctcctnang	gttaaaanttt	660
ggccgggaaa	tagaaattcc	aagttaacag	gntanttttt	ntttntnttn	ctccc	715

<210> 265

<211> 183

<212> DNA

<213> Homo sapien

<400> 265

tttttttttt	ttttcccaaca	caaaagcaca	ttatcttttc	tcacaatttt	caacatagtt	60
tgattcccat	gaagagggtta	tgattctctaa	agaaaacatg	gctaactatac	tatcaatcag	120
ggtaaaatct	tttttttttg	agaaggagtt	ta			182

<210> 266

<211> 193

<112> DNA
 <113> Homo sapien

<120>
 <121> misc_feature
 <122> (1)...(193)
 <123> n = A,T,C or G

<400> 186
 taaaactcgt cccctttcttta atcaatatgg aggcctaccca ctccacatta ccttctttttc 60
 aagggactgt ttccgttaast gttgtgggta ttccaggacca ggcctctaaa cctcttataaa 120
 ctccccaatt ctggtgcaca ctgggacaa atgccttttt ttttttttt ttttttttt 180
 gagaagagt tta 193

<110> 187
 <111> 460
 <112> DNA
 <113> Homo sapien

<400> 187
 tgtttgcgac ccttaagcat ggtgtctatt aaaaaaatgg tggagaagaa aataacctgga 60
 atttaactct tatctttaga gattgggaag acctgatgg aggaagtgga gaacagcttc 120
 ttcttgaatg tcaattccca agtaacaaaca gtgtgtcagg caattgctaa ggatccctaaa 180
 ttgcagcaag gttacaatgc tatgggattc tcccagggag gccaatctct gagggcagtg 240
 gctcagagat gacctccacc tcccatgac aatctgatct cggttggggg acaacatcaa 300
 ggtgtttttg gactccctcg atgcacagga gagagctctc acatctgtga ctccatccga 360
 aaaacactga atgctggggc gtactccaaa gttgttcagg aaagcctcgt gcaagccgaa 420
 tactggcatg acccataaaa ggaggatgtg gatcgcaaca 460

<110> 188
 <111> 533
 <112> DNA
 <113> Homo sapien

<120>
 <121> misc_feature
 <122> (1)...(533)
 <123> n = A,T,C or G

<400> 188
 tgtttgcgac cgttgataga atagcgacgt ggtaatgagt gcctggcacc cctccgactt 60
 accttcgccc gttgggacc cagtaactgc taaggcgctg caacttagag taacctctgg 120
 acccccaggc ggtttcgatt taacgggaag cagagctgca gtgggcttgc gccccgggcc 180
 aaattctttg gggggtttaa ggcggcgggg aatttgaggt atctctatca gtatgtagcc 240
 aagttggaac agtcgacatt cccgaaaatg ctttcttttg atccgcaccg cctccagcat 300
 tgcctcatct atcaacctga aggcacgcct aagtgaagggt tgtgtcttca gcagctccac 360
 tccataacta ggcagctcga cctcgtcttc gtaaggccca ggtccgtgag tgcgaattcc 420
 caactcgggt gaattggcca ttccaagttt cgaaaactgt cgcctccacn atttggcatg 480
 ttccagcatg acacgggaata aactcgtcca gtaccgggaa tgggacgca aca 533

<110> 189
 <111> 5
 <112> DNA
 <113> Homo sapien

<400> 169
 tttttttttt ttggcctgaa ttagctacag atctctctca caagcggtaa

50

<210> 170
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 170
 tgttgcgatc caataaaccc accagcttct tgcacaactc gcagaagcca ccgtcctttg 60
 gctgagtcac gtgaaacggc agtgcaagca gcgcggtgac agagcagagg tgcagcatgc 120
 tgcacacccg ctgagggtg acctctctca gcaggatgga caggatggag ctgcgtaacg 180
 tgtcacccac ctctgggac tcttcggaca gggacttggc cagcttcgag cacattttgt 240
 caaaagcgtc gactatttct ttctcagtct tgttggtgtc aatcagcttg gtcacctctc 300
 tcaccaggaa ttccacacac tcacagtaca caccagaact tggctgggac cgttgcttct 360
 taatgggtct caccagttcc agggcaggga tgacattctt ggaggccact ttggcgggga 420
 ccagagtcct cgtgggcctc tctttcaact caccacagaa ccccaaccgc gcacagatct 480
 ccttgggttg cgtgtgcctc atcctctggg atcgcaaca

519

<210> 271
 <211> 457
 <212> DNA
 <213> Homo sapien

<400> 271
 tttttttttt ttgggggggc gacgggaagt gcactctctc agtaggggtt gcaagtcgtg 60
 ccaatggccc gctatgagga ggtgagcgtg tcgggtcttg aggagttcca cggggccgtg 120
 gaacagcaca atggcaagac ctttttcggc taactttaagg gttctaagga cgcggggggg 180
 aaaagctggg gcccggaact cgtgcaggct gaaccagtcg tacgagaggg gctgaagcac 240
 attagtgaag gactgtgtgt cactctactg caagtaggag aagagcctta ttggaaagat 300
 ccaaatatg acttcagaaa aaacttgaaa gtaacagcag tgcctacact acttaagtac 360
 ggaacacctc aaaaactggc agaattctgag tgtcttcagg ccaacctggc ggaaatgttg 420
 ttctctgaar attaagattt taggatggca atcaaga

457

<210> 172
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 172
 tttttttttt ttgggcaaca acctgaatac cttttcaagg ctctggcttg ggctcaagcc 60
 cgcaggccaa atccaactgg ccaggtcaca gggcaatcaa ga

102

<210> 173
 <211> 455
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 273

tttttttttt	ttgggaaatca	acagggtttta	gttttgggga	gaagttaata	tgtgtttttt	60
gggaatcaaa	aggtttaagt	tttgggggga	agttaatctc	gtgttttttg	caatcaacag	120
gttttaagt	ttgggggaag	ttaatcttgt	gtttttggga	atcaacaggt	ttaaagtcttc	180
gggggaaggt	aatctcttgt	ttttgggaat	caacaggttt	aagtcttctg	cggaagttaa	240
tcttgtgttt	ttgggaaatca	acagggtttta	gttttgggga	gaagttaata	tgtgtttttt	300
gggaatcaaa	aggtttaagt	tttgggggga	agttaatctc	gtgttttttg	caatcaacag	360
gttttaagt	ttgggggaan	ttaatcttgt	gtttttggga	atcaacaggt	ttaaantcttc	420
gggggaaggt	aatctcttgt	ttttgggaat	caana			455

<210> 174

<211> 461

<212> DNA

<213> Homo sapien

<400> 174

tttttttttt	ttgggaaata	cccttgatga	acatcaatgt	gaaaatcttc	ggtaaaaaac	60
ttgggaaatca	aatccagcag	ccatcaaaaa	agcttatcca	ccatgatcaa	gtgggcttca	120
tccttgggat	gcaaggctgg	ttcaacataa	gaaaatcaat	aaatgtaata	catcacataa	180
acagaaacca	agacaaaaaa	ccatgatgta	ttccaataga	tcagaaaaag	gccttggaca	240
aattcaacag	cccttcatgc	taaacactct	taataaaacta	gatattgatg	gaatgtatct	300
caaaataata	agagctatct	atgacaaaa	ccacagccaat	atcatactga	atgggcaaaag	360
actgggaagca	ttccctttga	aaactggcac	aagacaagga	tgccctctct	ccccgtctct	420
attcaacata	gtattggaag	ttctgggcag	ggcaatcaag	a		461

<210> 275

<211> 729

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 175

tttttttttt	ttgggcaaca	ccaagttcttc	caagtgaggag	gtttttattat	gtttttacaac	60
catgaaaaaa	taaggaagggtg	gtgtttacag	caaacatttc	agatagacga	atcgggcaag	120
ctccccaaaa	cccaacttca	cagcctcttc	caacagctctc	ccanagattg	ttgtcttcca	180
cttgcaaaat	canagatggt	ggaagtgac	attttnnagtn	gonggaaccc	catcagtgaa	240
ncantaacaa	gaantaagat	gaatttgana	nacancatgat	gaagaacacn	ctacnganaa	300
ccctttctat	ccgtttanga	tctcnngtcc	ntcaactaatg	cggtccctctg	cnngtccacc	360
atttgggaca	actccccccn	cgttgggacc	cccttgagt	ntccactct	ngtccccccn	420
acnngncttt	ncnngncaatn	cnneetctca	ccntgtttcc	ctgnngtnaa	aatnngtttt	480
ncggcncncc	naattcccaac	ccnaatccaca	gcgaanccng	aaggcccttcn	naagtgttta	540
angcccnngg	gtttccctct	ntanttgcaag	ccatccctcc	cnctttnnnnt	taacngtttg	600
tccggccctg	gncnccctn	gttccctctt	nnngnnaaaa	ccnngntcnn	ngcnctctcn	660
nnctntttcc	tnnaactaga	tnccctntcc	nncnccnggn	ncanngcaca	ttncnccnna	720
tnctnnc						729

<210> 276

<211> 889

<212> DNA

<213> Homo sapien

#400: 276

tgacotgaaa	tgtagtagat	aottaataaa	tattttgtgga	atgaatggat	gaagtggagt	60
tacagagaaa	aatagaaaag	tacaaaattgt	tgtcagtggt	ttgaaggaaa	attatgatct	120
ttccccaaat	tctgaattca	ttotaagaca	gggttagtat	ctccatacat	aatttttaatt	180
gotttttqaaa	atcaaatgag	ataatctatt	tagattgata	atttatttag	actgggtata	240
aactatttaa	tgttagcaaa	tatacatttt	aatctcattt	ccacattctt	gtgatatagc	300
tatgtaggtg	ttagatttaa	tggatgtcag	gtcaatccc			360

#210: 277

#211: 664

#212: DNA

#213: Homo sapien

#220:

#221: misc_feature

#222: (1)...(664)

#223: n = A,T,C or G

#400: 277

tgacotgaca	tcataaacia	aattttttctc	catttatatto	ttotagggga	atttcttgaa	60
aagcatocaa	aggaaacaaa	tgatgggtaag	acogtgccaa	gtggggagca	gacacccaaag	120
taagacccaa	gatttttacat	tcacacaggta	gtccacagta	ctttgcccga	cactgtgggc	180
agaaatagcc	tcctaattgta	agccctgggt	cagtattgcc	atccaaatgc	gccatgctga	240
aagagggttt	tcacatctgg	tcagatnaag	aagcaatggt	gtgctgagga	aatcccatac	300
gaataagtga	gcattccagaa	cttgagctag	caggaggagg	actaagatga	tgtgtgagca	360
actctttgta	atggcttttca	tctaaaataa	cattggtaagt	gccaccagtt	tcacgagcaa	420
gtacagtcac	aacycgaaat	tctgcagaca	atccaaataa	agataactta	attttagctg	480
cttttagggc	cttgattaaa	tcataaatat	tagatggatc	gcaagttgta	aggntgctaa	540
aagatgatta	gtactctctg	acttgctatg	ccaggccatg	tgttttaaan	cttgcccttag	600
nccctgctta	ggggaatttt	taaagaagat	ggctctccat	gttcanggtc	aatcacnaat	660
tgcc						664

#210: 278

#211: 452

#212: DNA

#213: Homo sapien

#220:

#221: misc_feature

#222: (1)...(452)

#223: n = A,T,C or G

#400: 278

tgacotgaca	ttaggggaaga	gcacacacat	ctgaaattcc	ttaggttcag	aagggcattt	60
gacacagagt	gggcctctga	taattccatga	aatgcattct	gaagtcattc	agaatggagg	120
ctgcaattct	ctgtgctttg	ggggttggct	cactgtgctc	ctggatatca	cacaaaagct	180
gcaatctctc	tcctccaaat	aacattttgc	agtattttgt	gggattttta	ctgcagacat	240
gatacatagg	ccatagtgcc	cajagctgaa	ctctctgggtg	agagaagttg	ccaaggagcg	300
ggaaaaatgt	cttgaagagat	ctataggcca	ccaatgctgt	cattcttaca	cttgaacttg	360
gccattctct	tatagttgca	tgcagatctt	ggagaagagt	acgctctctg	aagtcacggg	420
atatccaaat	ctgtctgtca	gatgtcaggt	ca			452

#210: 279

<211> 274
 <212> DNA
 <213> Homo sapien

<400> 274
 tttttttttt ttgggcaagg caaatTTtact totgcaaaaag ggtgctgctt gcaatttttg 60
 ccactgggag agaacaccac acaaaagtagg gaaggggttt ttatccctaa cgggggttatt 120
 cctgggttct gtatcgtgtc cccattgggt ggagtcagac tgcacaatct acactgaccc 180
 aactggctac tttttaaact tgaatatgaa taattaggta ggaaggggga ggtgtttgt 240
 taaggtaaa gagtgttttg ggcattgtcag gta 274

<210> 280
 <211> 272
 <212> DNA
 <213> Homo sapien

<400> 280
 tacctgacat ggagaaataa cttgtagtat tttgggtgca atggaatact atatgagggg 60
 gaaaatcaat gaactagcaa tgggtgtatc aacatgaata aatccccaaa acataataat 120
 gtgcaatgca aaaggtgagt ttcagaagga tatatatgoc ctctaaaatcc atttatgtaa 180
 acctttaaaa aactacatta tttatggtoa taagtccatc cagaaaatat ttaaaaaact 240
 acatgggatt gataactact gatgtcaggt ca 272

<210> 281
 <211> 431
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 281
 tttttttttt ttggcaata gcatgattta aacattggaa aaagtcaaat gagcaatggg 60
 aattttttat ttctcttgaa taatcaaaaag agtaggcaac attggttccct cattcttgaa 120
 tagcattaat cagaaaaatat tgcatagcct ctagcctcct tagagttagt gtgctctctc 180
 aaatatatca taatcccaaa gtttatttca tgtatatttt ctgcctgaat cacatagaca 240
 tttgaatttc caacgcctga tgtaaatata taaattotta ccaatcagaa acatagcaag 300
 aaattcaggg acttgggtcat yatcagggta tgacagcana tccctgtara aacactgata 360
 cacactacaa caggtatgca aogtggagat gtgcgyttww kkktywown rmrycrwogn 420
 aatcaattan n 431

<210> 282
 <211> 98
 <212> DNA
 <213> Homo sapien

<400> 282
 attogattcc atgattgagc ccaggagttc aagactgcag tgagccactg caattcaggc 60
 tggacaacac agtaagtccc tgtgcaaaaa aaaaaaaaa 98

<210> 283
 <211> 764

<12> DNA
 <13> Homo sapien

<12>
 <13> misc_feature
 <201> (1)...(764)
 <203> r = A,T,C or G

<400> 183

tttttttttt	ttggcaagca	ogtgcacttt	attgaatgac	actgtagaca	ggtgtgtggg	60
tataaaactgc	tctatctagg	ggcaggacca	agggggcagg	ggcaacagcc	ccagcgtgca	120
ggggccascac	tgcacagtgg	astgcaaaagg	ttgcaggcta	tggggggcta	ctavtaaccc	180
ogttttttcct	gtattatctg	taacataata	tggtagaactg	tcacagagcc	gaatwoact	240
hacacganga	atccaaawgt	caygaggatg	cccasaatca	ggggccasat	attcaggcac	300
ttggcgcttg	gggcataagc	ctgkgccccc	gtcacgtccc	caacccwtcty	ctgttcccta	360
cmcttgawtc	cmccctctnn	nnctnccntna	tttgcccgcc	cmctctctng	ngtcaacng	420
natctgcact	anctccctcn	ccctctntgg	antctctcc	ttcaantaan	nttatcttn	480
acncccccct	cmcttctccc	ctnccncccn	tnatccngn	ncnctatca	ntctnccct	540
cmctnctcn	cmctctctcc	cmctnctaa	ctacncttn	nacnanncc	cactnathcc	600
ngnnantctc	ttctctccct	ccnnaacgcn	tgcttgccgc	cgctctngcc	nnctnccgna	660
ccnnaacttt	atttactctt	ncacccctagc	ctctacttn	acccanccnc	tcctactctc	720
nggnccaccc	nnccctnctc	ctnctnctcn	ctnnctcttt	cccc		764

<210> 184
 <211> 187
 <212> DNA
 <213> Homo sapien

<400> 184

caagtgtagg	cacagtgtatg	aaagccctgga	gcaaacacaaa	tctgtgggta	attaacgttt	60
attttctccc	ttccagggaac	gtctctgcctg	gatgatcaaa	gataagctcc	tggtcaacat	120
aaataagcta	gttcaagata	cgttcccccct	caattga			180

<210> 185
 <211> 190
 <212> DNA
 <213> Homo sapien

<400> 185

attcgatttgt	actcagacaa	caatatgcta	agtggaaagaa	gtcagtcaca	aaagaccaca	60
tactgtatga	ctcatttcc	attaagtgtc	cagaataggg	aaatccgtag	agacagaaag	120
tagatgacaa	gctgccttag	tctgagtaca				180

<210> 186
 <211> 199
 <212> DNA
 <213> Homo sapien

<400> 186

attcgattttt	tctttttctg	gcaatgatga	aattcttaact	ccctcagatt	ttttgtctgg	60
ataaatgcaa	gtctccacc	cagatgtgaa	attacagtaa	actttgaagg	aattctctga	120
gcaaccttgg	ctaggatcaa	tcacatattc	accatctggg	aagtccggat	ggctgagttg	180
caggtctttta	caagttccgg	ctggattggg	ctgagtaca			219

<210> 287
 <211> 196
 <212> DNA
 <213> Homo sapien

<400> 287
 attogatttct tgaggctacc aggagctagg agaagaggca tggaaacaaat tttccctcat 60
 atccatactc agaagggaac aacctgtgtg acacottaat ttcagcttct ggccctctaga 120
 actgtgagag agtacatttc tcttggttta agccaaagaga atctgtctct tggtaattta 180
 tatcatagcc tcaaga 196

<210> 288
 <211> 199
 <212> DNA
 <213> Homo sapien

<400> 288
 attogatttc actccagtc cagaacccac attgtcaatt actactctgt araagattca 60
 tttgtttgaaa ttcattgagt aaaaacattta tgatccotta atatatgcca attaccatgc 120
 taggtactga agattcaagt gacccagatg ctagcccttg ggttcaagtg atccctctcc 180
 cagagtgcac tggactgaa 199

<210> 289
 <211> 182
 <212> DNA
 <213> Homo sapien

<400> 289
 attogattct tgaggctaca aacctgtaca gtatgttaact ctactgaata ctgtaggcaa 60
 tagtaataca gaagcaagta tctgtatatg taaacattaa aaaggtacag tgaaaactca 120
 gtattataat cttaggggac accattatat atgtggtcca tcattggcca aaaaaaaaaa 180
 aa 182

<210> 290
 <211> 1646
 <212> DNA
 <213> Homo sapien

<400> 290
 ggcaagagga gaaatgtaat tccatatttt atttgaaaact tattccatat tttaattgga 60
 tattgagtga ttgggttato aaacacccac aaactttaat ttgtttaaat ttatatgggt 120
 ttgaaataga agtataagtt gtaaccattt tttgataaca ttgaaagata gtattttacc 180
 atctttaato atcttggaaa atacaagtc tgtgaacaa cactctttca cctagcagca 240
 tgaggccaaa aytaaaaggt ttaaattata acatatggga ttcttagtag tatgtttttt 300
 tcttgaaaact cagtggctct atctaaacct actatctct cactctttct ctaagaactaa 360
 actctaggtt cttaaaaaat tgcacacac aatcttagaa gctctgaaaa gaatttgtct 420
 ttaaatarct ttaaatagta acatgtattt tatggaccaa attgacattt tgaactattt 480
 tttccaaaaa aatcaggtga atttcagcac actgagttgg gaatttttta tcccagaaga 540
 ccaaccaatt tcatatttat ttaagattga ttccatactc cgtttttcaag gagaatccct 600
 gcagtctctt taaaggtaga aaaaataact totatttttt tttccaccat gtgggattgg 660
 actttaagag gtgactctaa aaaaacagag aacaaatatg tctcagttgt attaaagcag 720
 gacccatatt atcatattca cttaaaaaaaa tgatttcttg tgcacctttt ggcaactttt 780
 cttttcaatg tagggaaaaa cttagtcacc ctgaaaaacc acaaaaataaa taaaacttgt 840
 agatgtgggc agaaggtttg ggggtggaca ttgtatgtgt tttaaattaaa cctgtatca 900

ctgagaaact	gttgtatggg	tcagagaaaa	tgaatgctta	gaagctgttc	acatcttcaa	960
gagcagaagg	aaaccacatg	tctcagctat	attattatct	atcttttatg	cataaagtga	1020
atcatttttt	ctgtattaat	ttccaaaggg	ttttacccct	tatttaaatg	ctttgaaaaa	1080
cagtgcattg	acaatgggtt	gatatttttc	tttaaaagaa	aaatataatt	atgaaagcca	1140
agataatctg	aagccctgtt	tattttaaaa	ctttttatgt	tctgggggtg	aggttgcttg	1200
tttgcttgtt	tctattttgt	tggtttttta	ctttgttttt	tgctttgttc	tgctttgttc	1260
kgcatactac	atgcagttct	ctaaccaatg	tctgcttggt	taatgttaatt	aaagtgttta	1320
attctataga	gtgcatttca	actatgtcaa	tggtttctta	atatttattg	tgtagaagta	1380
ctggtaaat	ttttattttc	aatatgttta	aagagataac	agtttgatat	gttttcatgt	1440
gtttatacca	gaagtatttt	attcttatgg	cattccagcg	gatattttgg	tgcttgccag	1500
gcattgcagtc	aattattttgt	acagttagtg	gacagtatcc	agcaaccgct	gatagcttct	1560
ctggccctat	gttaaatata	aagccctgtt	tgggatgtat	cttttatttc	taaaaaaaaa	1620
aaaaaaaaaa	aaaaaaaaaa	aaaaaa				1646

4210: 291

4211: 1851

4212: DNA

4213: Homo sapien

4400: 291

tcattcacat	tgcacagcagc	ggcacctgtta	gtcaggctttt	ctgggaatcc	cacatgagta	60
cttccgttgtt	cttcattcttt	cttcaatagc	cataaatctt	ctagctctgg	ctggctgttt	120
tcatttcctt	taagcccttg	tgactctctc	tctgatgtca	gctttaagtc	ctgtctctgga	180
ttgctgtttt	cagaagagat	ttttaacatc	tgctttctct	tgtagtccga	aagtaactgg	240
caaatccat	gatgatgaat	agaaacagca	tactctctgg	cctctcttcc	agatcttgag	300
aagatacctc	aacattcttg	tcaggtagag	ggttgactat	acttgctgat	ccacaacata	360
cagcaaghat	gagagcagtt	cttccatctc	tatccagcgc	atttaaatcc	gctttttctt	420
tgattaaaaa	ttccaccact	tgctgtcttt	gtcctatgtt	accaaagtag	agtggtgtga	480
ggccatcttt	gtttttctgt	tccatctcag	ccacctataa	gagcagctgt	ctggccatta	540
atttatcttc	attgttagaa	gcatactgtt	gagtggtatt	tcataactca	cttggaatat	600
ctggatcagt	gccatgtctc	agcaacatca	agccacatcc	atcttccctg	cattgtacgg	660
cccttctcag	agctgtctct	ttttctgtgt	caaggacatt	aagttgacat	cgtctgtcca	720
gcacgaattt	taactactct	gaattcccat	tgccagaggg	cagatgtaga	gcagtcctct	780
tttgcttgct	ctctcttgct	acatccgtgt	ccctgagcat	gacgatgaga	tcctttctgg	840
ggaacttacc	ccaccaggca	gtctctgtga	gcttgctcag	atcttctcca	tggaactggg	900
acctgggact	cattgaaggcg	ctgtcatcgt	agtctcccca	agcgaccacg	ctgctcttgc	960
cgtccctctg	cagcagggga	agcagtgcca	gcaccaattg	ccctcttgc	tcaccaagct	1020
cttccacag	gagtcgttgt	ggtctccaga	agtgcacca	ctgctcttgc	cgtccctctt	1080
gtccatccag	ggagggaagaa	atgcaggaaa	tgaaagatgc	atgcacgatg	gtatactctt	1140
cagccatccaa	acttctggac	agcaggtcac	ttccagcaag	tgaggagaa	ctgtccaccc	1200
acagagctat	agatccagaa	accacaatat	ccattccaca	acaaaacact	ttcagccaga	1260
cacaggtact	gaaatccatgt	cattctgggc	aacatggttg	aacctaccca	atcacacatc	1320
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aataaatctt	tcctctggag	ccatatggat	gaactatgaa	ggaagaactc	ccggaagaa	1440
ccagtcgag	agaagccaca	ctgaagctct	gtctccagcc	ctcagcgcca	cggacaggat	1500
tggtgtttct	ccccagtgat	gcagcctcaa	gttatccca	agctgcgcga	gcacacgggt	1560
gtctctgaga	aacaccccag	ctcttccggt	ctaaccacag	caagtcaata	aatgtgataa	1620
tcacataaac	agaattaaaa	gcacagtcac	ataagcatct	caacagacac	agaaaaggca	1680
tttgacaaaa	tcacacatcc	ctgtatttat	tgctgcagtt	ctcagaggaa	atgttcttaa	1740
cttttcacca	tttagtatta	tgctgctgtg	gggttggtca	taggtggttc	ctattacttt	1800
aaggtatctc	ctctctatgc	ctgttttctt	gaggttttta	attctctgtc	c	1851

4210: 292

4211: 1851

0212: DNA

0213: Homo sapien

0400: 292

tcattcaaat	tgcacagcagc	ggcacaggta	gtcagggtttt	ctgggaatcc	ccatcagta	60
cttcogtgtt	cttcattctt	cttcaatagc	cataaatctt	ctagctctgg	ctgggtgttt	120
tcacttctt	taagcctttg	tgaotctccc	tctgatgtca	gctttaagtc	ttgttctgga	180
ttgtgtgttt	cagaagagat	tttcaacatc	tgtttttctt	tgtagtccga	aagtaactgg	240
caaatttat	gatgatgaat	agaaacagca	tactctctgg	cctgtcttcc	agatcttgag	300
aagatacatc	aaatctttgc	tcaagtagag	ggctgaatct	acttggctgat	ccacaacata	360
cagcaagtat	gagagcagtt	cttcacatct	tatccagcgc	atttaaatcc	gctttttctt	420
tgattaaaaa	tttcaaccact	tgtgtgtttt	gtccatgtat	accaagtagc	agtgggtgga	480
ggccatgttt	gttttttgat	togatatcag	cccggtataa	gagcagtgct	ttgggcattt	540
attttatctt	attgtagaca	gcatagtgta	gagtggctatt	tccataactca	tttggaatat	600
ttggtagcag	gcctatgttc	agcaacatta	acgcacatcc	atcttctctg	cattgtacgg	660
cttttgttct	agctgtcttc	ttttgttgtt	caaggacatt	aagttgacat	cgtctgtcca	720
gcacaggttt	tactactctt	gaattcccat	tggcagaggg	cagatgtaga	gcagtctctt	780
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ggactttacc	ccaccaggca	gctctgtgga	gcttgtccag	atcttctcca	tggacgtggt	900
acctgggctc	catgaaggcg	ctgtcatcgt	agtctcccca	agcgacccag	ttgtctcttg	960
cgtctccctg	cagcagggga	agcagtgcca	gcaccaactg	caactcttgc	tcccaagcgt	1020
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gtccatccag	ggagggaagaa	atgcaggaaa	tgaagatgc	atgcacgatg	gtatactctt	1140
cagccatcaa	actctctggc	agcaggtcac	ttccagcaag	gtggagaaa	ctgtccaccc	1200
acagaggatg	agatccagaa	accacaatat	ccattccaaa	acaaaacact	ttcagccaga	1260
ccacaggaat	gaaatcatgt	catctcgggc	aacatggtgg	aacctaccca	atcacacatc	1320
aagagatgaa	gacactgcag	tatatctgca	caacgttaata	ctcttccatc	ataacaaaat	1380
aatataatct	tcctctggag	ccatctggat	gaactatgaa	ggaagaactc	ccgaagaag	1440
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gctctctgag	aacaccccag	ctctcccggt	ctaacacagg	caagtcaata	aatgtgataa	1620
tcacataaac	agaattaaaa	gcaaaagtcac	ataagcatct	caacagacac	agaaaaggca	1680
tttgacaaaa	tccagcctcc	ttgtatttat	tgttcaggtt	ctcagaggaa	atgcttctaa	1740
cttttcccca	tttagtacta	tgttgggtgt	gggtctgtca	tagggtggtt	ttattacttt	1800
aaggtatctc	cctctctatgc	ctgttttctt	gagggtttta	attctctgtc	c	1860

0210: 293

0211: 668

0212: DNA

0213: Homo sapien

0400: 293

cttgagcttc	caaataygga	agactggccc	ttacacacgt	caatgtttaa	atgaatgcac	60
ttcagttatt	tgaagataaa	attngtagat	ctataccttg	ttttctgatt	cgatatcagc	120
acortatcag	agcagtgctt	tggccattaa	tttatctttc	attctagaca	gortagtgya	180
gagtggcttc	tccatactca	tctggaatat	tgggacagtc	gcctatgttc	agcaacatta	240
acgcacatcc	atcttctctg	cattgtacgg	ccgtctcagta	ttagacccaa	aaacaaatta	300
catatcttag	gaattcaaaa	taacattcca	cagctttccac	caactagtta	tattttaaagg	360
agaaaaactca	tttttatgcc	atgtattgaa	atcaaaaccca	cctcatgctg	atatagttgg	420
ctactgcata	cttttatccag	agctgtcttc	ttttgttgtt	caaggacatt	aagttgacat	480
cgtctgtcca	gcaggagctt	tactactctt	gaattcccat	tggcagaggg	cagatgtaga	540
gcagtccat	gagagtgaga	agacttttta	ggaaattgta	gtgcactagc	tacagccata	600
gcaatgatto	atgtaaactgc	aaacactgaa	tagcctgcta	ttactctgca	ttcaaaaaaa	660
aaaaaaaa						668

#210: 294
 #211: 1512
 #212: DNA
 #213: Homo sapien

#400: 294

gggtgggcca	gggggggggt	gggttttcc	gggtgggtg	gggtttttcc	gtgggtgggg	80
gggtgggtg	trgaatcccc	tggtgggtt	ggcaggtttt	gggtgggatt	gacttttytc	120
ttcaaacaga	ttggaaaccc	ggagttacct	gttagttggg	gaaactgggt	ggttagacgog	160
atctgttggc	tactactggc	ttctctggc	tgttaaaagc	agatgggtgg	tgaggttjat	240
tcctatgggg	ctgtctcttc	tgtgaagaag	ccatttgggt	tcaggagcaa	gatggggcaag	300
tggtgcttcc	gttggcttcc	ctgtgcaagg	gagaggggca	agagcaacgt	gggcaacttct	360
ggagacccag	acgactctgc	tatgaagaca	ctcaggagca	agatgggcaa	gtgggtgggc	420
cactgcttcc	ctgtgtgcaj	ggggagtggt	aagagcaacg	tggtgggtctt	tgagagccac	480
gaogayttcg	ctatgaagac	actcagggaac	aagatgggca	agtgggtgctg	ccactgcttc	540
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gcttgggtggg	gtaaaagtccc	cagaaaggat	ctcatctgca	tgctcaggga	cactgacgtg	720
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aggacagctc	tgayaaaagg	cgtaacaatgc	caggaagatg	aatgtgctgt	aatgttggctg	900
gaacatggca	ctgatccaaa	tattccagat	gagtatggaa	ataccactct	ccactaygct	960
rtctayaatg	aagataaatt	aatggccaaa	gcactgctct	tataygggtg	tgatatcgaa	1020
tcaaaaaaca	acctatagat	ctaactaatt	tatcttccaa	atactgaaat	gcattccatt	1080
taacattjac	gttgttaagg	gocagtcttc	cgtaatttgg	agctcaagca	taacttgaat	1140
gaaaatattt	taaaatgaac	caatttatct	agaactttat	ttaaaatatt	ttatttttcaa	1200
agaagcatta	gagggtagag	tttttttttt	ttaaaatgac	ttctggtaaa	tacttttjct	1260
gaaaacactg	aatttjtaaa	aggttaatact	tactattttt	caatttttcc	ctcttaggat	1320
ttttttcccc	taatgaatgt	aagatggcaa	aatttgcctt	gaaatagggt	ttacatgaaa	1380
actccaaaga	aagttaaaac	tgtttcagtg	aatagagatc	ctgtctctct	ggcaagttcc	1440
taaaaaacag	taatatagac	gaggtgatgc	gocgtctagt	ggcaaggctt	aagatatttc	1500
tgatctctgt	cc					1512

#210: 295
 #211: 1853
 #212: DNA
 #213: Homo sapien

#400: 295

gggtgggcca	gggggggggt	gggttttcc	gggtgggtg	gggtttttcc	gtgggtgggg	80
gggtgggtg	trgaatcccc	tggtgggtt	ggcaggtttt	gggtgggatt	gacttttytc	120
ttcaaacaga	ttggaaaccc	ggagttacct	gttagttggg	gaaactgggt	ggttagacgog	160
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tcctatgggg	ctgtctcttc	tgtgaagaag	ccatttgggt	tcaggagcaa	gatggggcaag	300
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>210> 296

>211> 2184

>212> DNA

>213> Homo sapien

>400> 296

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<210> 297

<211> 1855

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(1855)

<223> n = A,T,C or G

<400> 297

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<210> 298

<211> 1059

<212> DNA

-213- Homo sapien

-400- 138

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-210- 139

-211- 139

-212- PRT

-213- Homo sapien

-400- 299

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		20						25					30		
Glu	Tyr	Thr	Ile	Val	His	Ala	Ser	Phe	Ile	Ser	Cys	Ile	Ser	Ser	Ser
	35						40					45			
Leu	Asp	Gly	Gln	Gly	Glu	Arg	Gln	Glu	Gln	Arg	Gly	His	Phe	Trp	Arg
	50					55				60					
Pro	Gln	Arg	Leu	Leu	Cys	Glu	Asp	Ala	Trp	Glu	Gln	Glu	Val	Gln	Val
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Val	Leu	Pro	Leu	Leu	Pro	Leu	Leu	Gln	Gly	Ser	Gly	Lys	Ser	Asn	Val
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Val	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe	Met	Asp	Pro	Arg	Tyr
		100						105					110		
His	Val	His	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His	Arg	Ala	Ala	Trp	Trp
	115						120					125			
Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met	Leu	Arg	Asp	Thr	Asp
	130					135					140				
Val	Asn	Lys	Arg	Asp	Lys	Gln	Lys	Arg	Thr	Ala	Leu	His	Leu	Ala	Ser
145					150				155					160	
Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Val	Leu	Asp	Arg	Arg	Cys
			165					170					175		
Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr	Ala	Leu	Thr	Lys	Ala
	180						185						190		
Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met	Leu	Leu	Glu	His	Gly
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Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr
210 215 220
Ala Val Tyr Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr
225 230 235 240
Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu
245 250 255
Leu Gly Ile His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys
260 265 270
Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu
275 280 285
Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu
290 295 300
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305 310 315 320
Ser Met Leu Phe Leu Val Ile Ile Met
325

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<210> 300
<211> 148
<212> PRT
<213> Homo sapien

<220>
<221> VARIANT
<222> (1)...(148)
<223> Xaa = Any Amino Acid

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35 40 45
Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu
50 55 60
Val Val Lys Leu Xaa Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp
65 70 75 80
Asn Lys Lys Arg Thr Ala Leu Xaa Lys Ala Val Gln Cys Gln Glu Asp
85 90 95
Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro
100 105 110
Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Xaa Tyr Asn Glu Asp
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Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser
130 135 140
Lys Asn Lys Val
145

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<210> 301
<211> 1155
<212> DNA
<213> Homo sapien

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<400> 301

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<210> 302

<211> 2000

<212> DNA

<213> Homo sapien

<400> 302

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aaaaaaaaaa	aaaaaaaaaa					2040

<L10> 303

<L11> 3040

<L12> DNA

<L13> Homo sapien

<L400> 303

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agcaaccttg	gcactctctg	agacccagac	gaactctgcta	tgaaagacact	caggagcaag	180
atgggcaagt	ggtgcogcca	ctgcttcccc	tgtctcaggg	ggagtggcaa	gagcaacgtg	240
ggcgctctctg	gagacccaga	cgactctgct	atgaagacac	tcaggaaaca	gatgggcaag	300
tgggtgctgac	actgcttccc	ctgctgcagg	gggaggggca	agagcaaggt	ggcgctcttg	360
ggagactacg	atgacagtgc	cttcatggag	cccaggtaac	acgtccgtgg	agaagatctg	420
gacaagctcc	acagagctgc	ctggtygggt	aaagtcccca	gaaaggatct	catcgtcatg	480
ctcagggaca	ctgacttgaa	caagaaggac	aagcaaaaaga	ggaactgctct	acatctggcc	540
ctcgccaatg	ggaattccaga	agtagtaaaa	ctcctgctgg	acagacgatg	tcacacttaat	600
gtccttgaca	acaaaaagag	gacagctctg	ataaaggcgg	tacaatgcca	ggaagatgaa	660
tgtgcgttaa	tgttgctgga	acatggcact	gatccaaaata	ttccagatga	gtatggaaat	720
accactctgc	actacgctat	ctataatgaa	gataaaattaa	tggccaaaagc	actgctctta	780
catggctgctg	atatogaatc	aaaaaaccaa	catggcctca	caacactggt	acttgggtgta	840
catggcagaa	aacccagaat	cgtgaaaatt	ttaatccaga	aaaaagcgaa	tttaaatgca	900
ctggatagat	atggaaggac	tgcctctata	cttctgtgat	gttgtggatc	agcaagtata	960
gtcagccttc	tacttgagca	aaatatggat	gtatctctctc	aagatctctc	tggaacagacg	1020
gocagagagt	atgctgcttc	tagtcatcat	catgtaattt	gocagttact	ctctgaactac	1080
aaagaaaaac	agatgctaaa	aatctctctc	gaaaaacagca	atccagaaca	agaacttaag	1140
ctgacatcag	aggaagagtc	acaaaaggtc	aaaggcagtg	aaaatagcca	gocagagaaa	1200
atgtctcaag	aacccagaat	aaataaggat	ggtgatagag	aggttgaaag	agaaatgaag	1260
aagcatgaaa	gtataaatgt	gggatttaata	gaaaaactga	ctaattgggtg	cactgctggc	1320
aatggctata	atggattaat	tcctccaaag	aagagcagaa	caactgaaaa	tcagcaattct	1380
cctgacaaacg	aaagtgaaga	gtatccacaga	atttgogaat	tagttctctga	ctacaaagaa	1440
aaacagatgc	caaaaatactc	ttctgaaaaac	agcaaacccag	aaacagactt	aaagctgaca	1500
tcagagguag	agtccacaaag	gcttgaggggc	agtgaaaaatg	gocagccaga	gaaaagatct	1560
caagaacccag	aaataaaata	ggatgggtgat	agagagctag	aaaatttttat	ggctatcgaa	1620
gaaatgagga	agcacgggaag	tactcatgtc	ggattccag	aaaaactgac	taattggtgoc	1680
actgctgcca	atgctgatga	tggaataatt	ctcccaagga	agagcagaac	acctgaaagc	1740
cagcaatttc	ctpacactga	gaaatgaagag	tatccacagtg	acgaacaaaaa	tgataactcag	1800
aagcaatttt	gtgaagaaca	gaacactggga	atattacacg	atgagattct	gattcatgaa	1860
gaaaagccaga	tgaaagtggc	tgaaaaaatg	aattctgagc	cttctcttag	ctgtaagaaa	1920
gaaaaacaca	ctctgcatga	aaatagtaacg	ttgggggaag	aaattgocat	gctaagactg	1980
gagctagaca	caatgaaaaa	tcagagccacg	ctaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	2040

<L100> 304

<L110> 384

<L120> PST

<L130> Homo sapien

*4000- 304

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys
1				5					11					11	
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe
			20					25					30		
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp
			35				40					45			
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp
	50					55					60				
Cys	Arg	His	Cys	Phe	Pro	Lys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val
65					70					75					80
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn
				85					90					95	
Lys	Met	Gly	Lys	Trp	Cys	Lys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser
			100					105					110		
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe
			115				120					125			
Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His
	130					135					140				
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met
145					150					155					160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala
				165					170					175	
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu
			180				185						190		
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr
	195						200					205			
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Gln	Cys	Ala	Leu	Met
	210					215					220				
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn
225					230					235					240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys
				245					250					255	
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Gln	Ser	Lys	Asn	Lys	His	Gly
				260				265					270		
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val
	275					280						285			
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr
	290					295					300				
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile
305					310					315					320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu
				325					330					335	
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val
				340				345					350		
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile
	355					360						365			
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Asn	Val	Ser	Arg	Thr	Arg	Asn	Lys
	370					375						380			

*2100- 305

*2110- 656

*2120- PBT

(213) Homo sapien

(400) 305

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys	1	5	10	15
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe	20	25	30	
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp	35	40	45	
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	50	55	60	
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val	65	70	75	80
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn	85	90	95	
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	100	105	110	
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe	115	120	125	
Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His	130	135	140	
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met	145	150	155	160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala	165	170	175	
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu	180	185	190	
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr	195	200	205	
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met	210	215	220	
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn	225	230	235	240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys	245	250	255	
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly	260	265	270	
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val	275	280	285	
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr	290	295	300	
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile	305	310	315	320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu	325	330	335	
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val	340	345	350	
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile	355	360	365	
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu	370	375	380	
Glu	Glu	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Ser	Gln	Pro	Glu	Lys	385	390	395	400
Met	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu				

				405					410				415		
Glu	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn
			410					425					430		
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro
		435					440					445			
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Glu
	450					455					460				
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu
465					470					475					480
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp
			485					490							495
Leu	Lys	Leu	Thr	Ser	Glu	Glu	Glu	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu
		500						505					510		
Asn	Gly	Gln	Pro	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Glu	Glu	Met	Lys
	515						520					525			
Lys	His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly
	530					535						540			
Ala	Thr	Ala	Gly	Asn	Gly	Asp	Asp	Gly	Leu	Ile	Pro	Pro	Arg	Lys	Ser
545					550					555					560
Arg	Thr	Pro	Glu	Ser	Gln	Gln	Phe	Pro	Asp	Thr	Glu	Asn	Glu	Glu	Tyr
			565						570						575
His	Ser	Asp	Glu	Gln	Asn	Asp	Thr	Gln	Lys	Gln	Phe	Cys	Glu	Glu	Gln
		580						585					590		
Asn	Thr	Gly	Ile	Leu	His	Asp	Glu	Ile	Leu	Ile	His	Glu	Glu	Lys	Gln
	595						600					605			
Ile	Glu	Val	Val	Glu	Lys	Met	Asn	Ser	Glu	Leu	Ser	Leu	Ser	Cys	Lys
	610					615					620				
Lys	Glu	Lys	Asp	Ile	Leu	His	Glu	Asn	Ser	Thr	Leu	Arg	Glu	Glu	Ile
625					630					635					640
Ala	Met	Leu	Arg	Leu	Glu	Leu	Asp	Thr	Met	Lys	His	Gln	Ser	Gln	Leu
			645						650						655

-210- 336

-211- 671

-212- PRT

-213- Homo sapien

-400- 336

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys
1			5					10						15	
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe
		20						25					30		
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp
		35					40					45			
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp
	50					55					60				
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val
65					70					75					80
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn
			85					90						95	
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser
		100						105					110		
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe
	115						120						125		

Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His
130						135					140				
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met
145					150					155					160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala
			165						170						175
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu
			180					185					190		
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr
	195						200					205			
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met
210						215					220				
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn
225					230					235					240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys
			245						250						255
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly
			260					265					270		
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val
		275					280					285			
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr
	290					295					300				
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile
305					310					315					320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu
			325						330					335	
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val
		340						345					350		
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile
	355						360					365			
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu
	370					375				380					
Glu	Glu	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Ser	Gln	Pro	Glu	Lys
					390					395					400
Met	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu
			405						410					415	
Glu	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn
		420						425					430		
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro
		435					440					445			
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Glu
	450					455					460				
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu
	465				470					475					480
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp
			485						490					495	
Leu	Lys	Leu	Thr	Ser	Glu	Glu	Gln	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu
			500					505					510		
Asn	Gly	Gln	Pro	Glu	Lys	Arg	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp
		515					520					525			
Gly	Asp	Arg	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Glu	Glu	Met	Lys	Lys
	530					535					540				
His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly	Ala
545					550					555					560

Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser Arg
 565 570 575
 Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr His
 580 585 590
 Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Glu Gln Asn
 595 600 605
 Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Gln Ile
 610 615 620
 Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys Lys
 625 630 635 640
 Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Glu Ile Ala
 645 650 655
 Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Gln Leu
 660 665 670

<210> 307
 <211> 200
 <212> DNA
 <213> Homo sapien

<400> 307
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 acttcatttt tgtacataa catctttata ggacaggggt aaaatcccaa tactaacagg 120
 agaatgctta ggaactctaac aggtttttga gaatgtgttg gtaagggcca ctcaatccaa 180
 tttttcttgg tctccttgt ggtctaggag gacaggcaag ggtgcagatt ttcaagaatg 240
 catcagtaag ggcactaaa tccgaccttc ctgttctctt cttgttgtct gggaggaaaa 300
 ctagtgttct tgttgtgtg tcaagtggca caactatttc gatcagcagg gtccagggac 360
 cactgcaggt tcttgggcag ggggagaaaac aaaacaaaac aaaaccatgg gctgttttgt 420
 ctccaagatg ggaacacatc aggcacacac aggcacacac ttgaaatgca tccaaagcca 480
 atgggacaaa ttgacccac aaacccctga aaaagaggtg gctcattttt ttgcactat 540
 ggcttgccc caacattctc tctctgatgg ggaataatgg ccacctgagg gaagtacaga 600
 ttacaatact atcctgcagg ttgaactttt ctgtaagagg gaagycaaat ggagtgaat 660
 acctatctc caagctttct ttccattgaa agagaatata ctatgcacag cttgaaattt 720
 acatcccaca ggaggacctc tcagcttacc cccatatact agcctcccta tagctccct 780
 tctattagt gataagctc 800

<210> 308
 <211> 102
 <212> PRT
 <213> Homo sapien

<210>
 <211> VARIANT
 <212> (1)...(102)
 <213> Xaa = Any Amino Acid

<400> 308
 Met Gly Xaa Phe Val Phe Gln Met Gly Asn Thr Gln Ala Ser Thr Gly
 1 5 10 15
 Ser Pro Leu Lys Cys Ile Leu Ser Gln Trp Asp Lys Phe Asp Pro Gln
 20 25 30
 Thr Leu Glu Lys Glu Val Ala His Phe Phe Cys Thr Met Ala Trp Pro
 35 40 45
 Gln His Ser Leu Ser Asp Gly Glu Lys Trp Pro Pro Glu Gly Ser Thr

50		55		60											
Asp	Tyr	Asn	Thr	Ile	Leu	Gln	Leu	Asp	Leu	Phe	Cys	Lys	Arg	Glu	Gly
65				70				75							80
Lys	Trp	Ser	Glu	Ile	Pro	Tyr	Val	Gln	Ala	Phe	Phe	Ser	Leu	Lys	Glu
			85					90						95	
Asn	Thr	Leu	Cys	Lys	Ala										
			100												

<210> 309
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 309
 Leu Met Ala Glu Glu Tyr Thr Ile Val
 1 5

<210> 310
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 310
 Lys Leu Met Ala Lys Ala Leu Leu Leu
 1 5

<210> 311
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 311
 Gly Leu Thr Pro Leu Leu Leu Gly Ile
 1 5

<210> 312
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 312
 Lys Leu Val Leu Asp Arg Arg Cys Gln Leu

1

5

10

0010 • 313
 0011 • 1852
 0012 • DNA
 0013 • Homo sapiens

0400 • 313

ggcaccagagaa	ttaaaacccct	cagcaaaaaca	ggcatagaag	ggacatacct	taaagtaata	60
aaaaaccacct	atgacaagcc	cacagccaac	ataatactaa	atggggaaaa	gttagaagca	70
tttccctctga	gaactgcgaac	aataaataca	aggatgctgg	atcttctcaa	atgccttttc	80
tgtgtctctgt	gagatgctta	tgtgaacttg	cttttaattc	tgcttatgtg	attatcacat	90
ttattgaactt	gcctgtgtta	gacgggaaga	gctggggtgt	ttctcaggag	ccacogtctg	100
ctgctggaagc	ttggggataa	cttgaggctg	catcactggg	gaagaaacac	aytctgtctc	110
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tgggtattccc	agaaaacctg	actaaacggg	ccgtctgtgg	caatggctgat	ga	360

0010 • 314
 0011 • 379
 0012 • DNA
 0013 • Homo sapiens

0400 • 314

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-0210 - 315
-0211 - 292
-0212 - PRT
-0213 - Homo sapiens

```

Met His Leu Ser Phe Pro Ala Phe Leu Pro Pro Trp Met Asp Arg Gly
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Val Lys Thr Leu Gly Ser Lys Arg Cys Lys Trp Cys Cys His Cys Phe
35 40 45

Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr His Val His Gly Glu
65 70 75 80

Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Arg Asp
100 105 110

Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys Gln Leu Asn Val Leu
136 135 140

Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu
145 150 155 160

Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile
165 170 175

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Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Val Tyr Asn Glu  
          180                      185                      190
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Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu
195 200 205

Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Ile His Glu

210 215 220
 Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu
 215 230 235 240
 Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys
 245 250 255
 Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu Glu Gln Asn Val Asp
 260 265 270
 Val Ser Ser Gln Asp Leu Glu Arg Arg Pro Glu Ser Met Leu Phe Leu
 275 280 285
 Val Ile Ile Met
 290

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 <211> 584
 <212> DNA
 <213> Homo sapiens

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 gaggtttatc actaatagga aggggagcta tagggagggt aggatatggg ggtaagctga 180
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 gctgcaggat agtattgtaa tctgtacttc cctcagggtg ccatttttcc ccctcagaga 360
 gagaatgttg gggccaaagc atagtgcaga aaaaaaaatg agccacctct tctccaggg 420
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 cccctgacca agaactatca aactcctgag caacaaacta aaaa 584

<210> 317
 <211> 829
 <212> DNA
 <213> Homo sapiens

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 agaattgctta ggactctaac aggtctttga gaatgtgttg gtaagggcca ctcaatccaa 180
 tttttcttgg tccctcctgt ggtctaggag gacaggcaag ggtgcagatt ttcaagaatg 240
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 ctagtgtttc tgttgcctgt tcagtgagca caactattcc gatcaggagg gtccagggac 360
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<210> 318
 <211> 30
 <212> PFT
 <213> Homo sapien

<400> 318
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 1 5 10 15
 Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile
 20 25 30

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 <211> 41
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 <213> Artificial Sequence

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 <223> PCR primer

<400> 319
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 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 320
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 <212> DNA
 <213> Artificial Sequence

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 322

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42

<210> 323
 <211> 1590
 <212> DNA
 <213> Homo sapiens

<400> 323

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<210> 324
 <211> 529
 <212> PRT
 <213> Homo sapiens

<400> 324

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Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala
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Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala
		35					40					45			
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val
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Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr
	65				70					75					80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr
				85					90					95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser
			100					105					110		
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr
		115					120					125			
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Pro	Leu	Val	Pro	Arg	Gly	Ser
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Lys	Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys
				165					170					175	
Phe	Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly
			180					185					190		
Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys
		195					200					205			
Trp	Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn
	210					215					220				
Val	Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg
	225				230					235					240
Asn	Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly
				245					250					255	
Ser	Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala
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Phe	Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu
		275					280					285			

His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val
 290 295 300
 Met Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr
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 Thr Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu
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 Met Leu Leu Gln His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly
 370 375 380
 Asn Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala
 385 390 395 400
 Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His
 405 410 415
 Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val
 420 425 430
 Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg
 435 440 445
 Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser
 450 455 460
 Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp
 465 470 475 480
 Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His
 485 490 495
 Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys
 500 505 510
 Ile Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn
 515 520 525

Lys

(310) 325

(311) 1155

(312) DNA

(313) Homo sapiens

(400) 325

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accagaaata aataa
1155

```

210 326

211 384

212 PRT

213 Homo sapiens

400 326

Met Val Ala Glu Val Cys Ser Met Pro Thr Ala Ser Thr Val Lys Lys
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Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
20 25 30

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
35 40 45

His Asp Asp Ser Phe Met Lys Met Leu Arg Ser Lys Met Gly Lys Cys
50 55 60

Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
65 70 75 80

Gly Thr Ser Gly Asp His Glu Asn Ser Phe Met Lys Met Leu Arg Ser
85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
100 105 110

Gly Lys Ser Asn Val Gly Ala Trp Gly Asp Tyr Asp His Ser Ala Phe
115 120 125

Met Glu Pro Arg Tyr His Ile Arg Arg Glu Asp Leu Asp Lys Leu His
130 135 140

Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
145 150 155 160

Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
165 170 175

Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
180 185 190

Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
195 200 205

Ala Leu Ile Lys Ala Ile Gln Cys Gln Glu Asp Glu Cys Val Leu Met
210 215 220

Leu Leu Glu His Gly Ala Asp Arg Asn Ile Pro Asp Glu Tyr Gly Asn
225 230 235 240

Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
245 250 255

Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Val Gly
260 265 270

Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
275 280 285

Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Val Leu Asp Arg Tyr
290 295 300

Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
305 310 315 320

Val Asn Leu Leu Leu Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu
325 330 335

Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
340 345 350

Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
355 360 365

Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
370 375 380

0010 - 327

0011 - 634

0012 - DNA

0013 - Homo sapiens

0400 - 327

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c210 + 313

c211 + 1155

c212 + DNA

c213 + Homo sapiens

c400 + 328

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c210 + 309

c211 + 1155

c212 + DNA

c213 + Homo sapiens

c400 + 329

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<210> 330
 <211> 1155
 <212> DNA
 <213> Homo sapiens

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<400> 330
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gacaagctcc acagagctgc ctgggtgggt aaagtcccca gaaaggatct catctgcatg 480
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<210> 331
 <211> 210
 <212> PFT
 <213> Homo sapiens

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<400> 331
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Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn Ile Leu Asp Asn Lys Lys
      20              25              30

Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala
      35              40              45

Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr
      50              55              60

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Gly Asn Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met
 65 70 75 80
 Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys
 85 90 95
 His Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln
 100 105 110
 Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp
 115 120 125
 Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala
 130 135 140
 Ser Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln
 145 150 155 160
 Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser Arg His
 165 170 175
 Asn Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Ile Leu
 180 185 190
 Lys Val Ser Ser Glu Asn Ser Asn Pro Gly Asn Val Ser Arg Thr Arg
 195 200 205
 Asn Lys
 210

<210> 332
 <211> 384
 <212> PRT
 <213> Homo sapiens

<400> 332
 Met Val Ala Glu Val Cys Ser Met Pro Thr Ala Ser Thr Val Lys Lys
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 Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
 20 25 30
 Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
 35 40 45
 His Asp Asp Ser Phe Met Lys Met Leu Arg Ser Lys Met Gly Lys Cys
 50 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
 65 70 75 80
 Gly Thr Ser Gly Asp His Glu Asn Ser Phe Met Lys Met Leu Arg Ser
 85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Gly Lys Ser Asn Val Gly Ala Trp Gly Asp Tyr Asp His Ser Ala Phe
 115 120 125
 Met Glu Pro Arg Tyr His Ile Arg Arg Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Ile Gln Cys Gln Glu Asp Glu Cys Val Leu Met
 210 215 220
 Leu Leu Glu His Gly Ala Asp Arg Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Cys Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Val Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Asn Leu Leu Leu Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
 370 375 380

0210 - 333
 0211 - 384
 0212 - PRT
 0213 - Homo sapiens

0400 - 333

Met Val Ala Glu Val Cys Ser Met Pro Ala Ala Ser Ala Val Lys Lys
 5 10 15

Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
 20 25 30

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
 35 40 45

His Asp Asp Ser Phe Met Lys Thr Leu Arg Ser Lys Met Gly Lys Cys
 50 55 60

Cys His His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
 65 70 75 80

Gly Thr Ser Gly Asp His Asp Asn Ser Phe Met Lys Thr Leu Arg Ser
 85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110

Gly Lys Ser Asn Val Gly Thr Trp Gly Asp Tyr Asp Asp Ser Ala Phe
 115 120 125

Met Glu Pro Arg Tyr His Val Arg Arg Glu Asp Leu Asp Lys Leu His
 130 135 140

Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160

Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Gln Lys Arg Thr Ala
 165 170 175

Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
 180 185 190

Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205

Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Val Leu Met
 210 215 220

Leu Leu Glu His Gly Ala Asp Gly Asn Ile Gln Asp Glu Tyr Gly Asn
 225 230 235 240

Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys

245	250	255
Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Cys Gly	260	270
Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val	275	285
Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr	290	300
Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile	305	315
Val Asn Leu Leu Leu Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu	320	330
Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val	340	350
Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile	355	365
Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys	370	380
<p><210> 334</p> <p><211> 384</p> <p><212> PRT</p> <p><213> Homo sapiens</p>		
<p><400> 334</p> <p>Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys</p> <p>5 10 15</p>		
<p>Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe</p> <p>20 25 30</p>		
<p>Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp</p> <p>35 40 45</p>		
<p>His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp</p> <p>50 55 60</p>		
<p>Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val</p> <p>65 70 75 80</p>		
<p>Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn</p> <p>85 90 95</p>		
<p>Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser</p> <p>100 105 110</p>		

Ser Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
 115 125
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Val Asn Lys Gln Asp Lys Gln Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
 210 215 220
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
 370 375 380